



November 17, 2014

Ms. Lindsay Crow  
Hull & Associates  
4 Hemisphere Way  
Bedford, Ohio 44146  
Phone: 440.232.9945  
Mobile: **non responsive**

Re: Asbestos Survey 928, 932, & 938 Broadway Ave., and Adjoining Alley Building, Lorain, Ohio

Dear Ms. Crow,

At your request, on Monday, October 27, and Tuesday, November 11, 2014, HazCorp Environmental Services, Inc. performed an asbestos inspection at the above-referenced properties.

It is our understanding, through information available on the Lorain County Auditor's Office Website that the buildings are owned by Mr. Mark D. Clodwick. The buildings were erected in the late 1920's.

These addresses comprise a large portion of the buildings on the block where they are located. When conducting the survey it was our understanding that 936 Broadway Ave. and the building located on the alley are both going to be demolished. Whereas the rear of both 928 and 932 Broadway are to be partially demolished, with the front 2/3rds of each building to be remodeled.

The United States Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants regulations are the primary regulations governing asbestos-containing building materials in the United States as found within 40 CFR Part 61, Subpart M. Asbestos is recognized as a Hazardous Air Pollutant under these regulations. All friable asbestos-containing materials or non-friable materials that may become friable during the demolition or renovation process must be removed prior to these actions being undertaken.

The Ohio EPA also has regulations found in the Ohio Administrative Code (OAC) 3745-20. These pertain primarily to demolition and renovation.

The inspection was also done to comply with the Occupational Safety and Health Administration asbestos standard for the construction industry (29 CFR 1926.1101) and the Ohio Department of Health Regulations found in OAC 33701-34.

Licensing of individuals involved in asbestos inspections, air monitoring, project design, and removal of regulated asbestos-containing materials in the State of Ohio is regulated by the Ohio Department of Health.

The collection of samples was done to comply with the Asbestos Hazard Emergency Response Act found in 40 CFR 763 Subpart E and the Ohio Department of Health Regulations previously cited.

The inspection was performed by a Certified Asbestos Hazard Evaluation Specialist licensed through the Ohio Department of Health.

#### Common Abbreviations found within this Report

ACM	Asbestos Containing Material	OSHA	Occupational Safety and Health Administration	PLM	Polarized Light Microscopy
RACM	Regulated Asbestos Containing Material	PACM	Presumed Asbestos Containing Material	DW-JC	Drywall-Joint Compound
NESHAPs	National Emission Standards for Hazardous Air Pollutants	USEPA	United States Environmental Protection Agency	AHERA	Asbestos Hazard Emergency Response Act of 1986
TSI	Thermal System Insulation	HA	Homogenous Area	HP	Hard Plaster
OAC	Ohio Administrative Code	ODH	Ohio Department of Health		

#### General Description of the Buildings

The inspected buildings are large former retail/commercial structures with residential apartments on the second floors; currently they are vacant.

##### *936 Broadway*

This building is located closest to the paved driveway. It is two-stories with a basement. The main floor appeared to have been utilized as a showroom. The main part of 936 had two (2) modular offices in the front portion with a display type area in the very front. The rear addition was utilized for offices and storage. The 2<sup>nd</sup> floor of this building was utilized as a large apartment. The basement was flooded, but empty.

The following suspect asbestos containing materials were assessed and sampled:

*Main Floor (1st Floor)*

- Hard plaster with texture on vestibule ceiling (HA 30; 120 SF; intact),
- 9" floor tile under carpeting (HA 31; 1,650 SF, intact),
- Leveling compound under wood flooring (HA 32; 440 SF; intact), and
- Mastic on wood tile (HA 33; 440 SF; intact).

*2<sup>nd</sup> Floor Apartment*

- Hard plaster with texture throughout 1<sup>st</sup> and 2<sup>nd</sup> floor (HA 34; 10,610 SF, intact),
- Drywall-joint compound throughout 2<sup>nd</sup> floor on walls (HA 35, 3,200 SF, intact),
- Drywall with knockdown finish, north wall of living room and hall (HA 36, 960 SF, intact),
- Popcorn ceiling material in living room and hall (HA 37; 1,200 SF, intact), and
- Textured ceiling material throughout rest of apartment (HA 38; 1,440 SF, mostly intact with some damage).

There is some non-friable, non-suspect, rubber-backed linoleum in the bathrooms of the apartment that were not sampled. This is new material and does not contain asbestos.

No other materials historically manufactured with asbestos were identified.

*932 Broadway*

This building is located between 936 and 928 Broadway. This address is the largest of the three on Broadway. The first floor was utilized for offices in the northern half and showroom in the southern half. There is a glassed-in showroom in the southeast corner of the 1<sup>st</sup> floor that was only accessible by knocking a hole through a partition wall. The rear of the first floor was used for storage. The 2<sup>nd</sup> floor was a showroom for a former furniture store. The basement was storage. A boiler room was located within the basement. Asbestos aircell insulation is found on piping runs in the basement. The fittings are mudded asbestos cement.

The following suspect asbestos containing materials were assessed and either sampled or presumed to contain asbestos:

*Basement*

- Aircell asbestos insulation (PACM; 110' x 8" diam., intact),
- Drywall ceiling on the north half (HA 1; 2,135 SF; intact),
- Hard plaster ceiling on south half (HA 2; 2,140 SF; intact),
- Floor tile/mastic beneath carpet on north half (HA 3; 2,135 SF, intact),
- Floor tile/mastic beneath carpet on south half (HA 4; 2,140 SF, intact), and
- Caulk material applied to the boiler (HA 5; <1 CF, intact).

*Main Floor (1<sup>st</sup> Floor)*

- Drywall-joint compound on walls in office area and show room (HA 16; 9,000 SF; intact),
- Carpet mastic in front entry (HA 17; 250 SF; intact),

- Tan flooring with burlap and mastic by stairs and on entire 2<sup>nd</sup> floor (HA 18; 4,725 SF; intact),
- Carpet and mastic throughout, (HA 19; 3,825 SF; intact),
- Mastic under parquet flooring (HA 20; 450 SF; intact),
- Square pattern linoleum in front office and glassed-in showroom (HA 21; 300 SF; intact),
- Wood pattern linoleum beneath carpet along mid-line of unit (HA 22; 650 SF; intact),
- Exterior window glaze on ten windows (HA 23; 1 CF; mostly intact with some damage),
- 2x2' ceiling panels {not installed – for disposal} (HA 24; 600 SF; intact),
- Drywall partition wall by glassed-in showroom (HA 41; 264 SF; intact),
- Caulk around rear door openings (HA 43; <1 CF, intact), and
- Aircell pipe insulation and debris on piping in rear garage (PACM; 3 LF, intact).

*2<sup>nd</sup> Floor*

- Hard plaster on exterior walls and ceilings of 1<sup>st</sup> and 2<sup>nd</sup> floor, original building, (HA 25, 15,450 SF; mostly intact with some damage to 2<sup>nd</sup> floor ceiling),
- Linoleum runner to unit 928 (HA 26; 300 SF; intact),
- Interior window glaze/caulk on glass block windows (HA 27; <1 CF; intact),
- Drywall partition walls on showroom floor (HA 42; 4,000 SF; intact).

*2<sup>nd</sup> Floor Addition*

- Hard plaster on ceiling and walls (HA 28; 2,625 SF; walls intact, damaged ceiling) and
- Textured paint on Styrofoam (HA 29, 675 SF; intact).

No other materials historically manufactured with asbestos were identified.

*928 Broadway*

This building is located next to 932 Broadway. The front portion of the main floor of this structure was utilized as a small shop. The front of the unit has a small sales counter and display area. Behind the sales area are offices. The rear of the building was utilized for storage. Half of the 2<sup>nd</sup> floor was utilized as an apartment the other half was utilized as part of the furniture store. This structure also had a basement that was utilized for storage.

The following suspect asbestos containing materials were assessed and either sampled or presumed to contain asbestos:

*Basement*

- Electrical panel with black Transite material (PACM; 6 SF, intact).

*Main Floor (1<sup>st</sup> Floor)*

- Drywall-joint compound on walls throughout (HA 6; 2,160 SF; intact),
- 2x4' ceiling panels (HA 7; 770 SF; intact), and
- Linoleum beneath non-friable "Peel n' Press" floor tile (HA 8; 770 SF; intact).



*Main Floor Addition*

- Fire door insulation located in door between 928 & 932 (HA 10; 21 SF; intact).

*2<sup>nd</sup> Floor Apartment*

- Hard plaster on walls and ceilings throughout (HA 11; 4,560 SF; intact),
- Linoleum in hall to store (HA 12; 70 SF; intact),
- Linoleum in kitchen (HA 13; 150 SF; intact),
- Linoleum in bathroom (HA 14; 40 SF; intact), and
- Kitchen sink coating (HA 15; 2 SF; intact).

*2<sup>nd</sup> Floor Addition*

- Drywall joint compound on north and west walls (HA 9; 1,275 SF; intact).

No other materials historically manufactured with asbestos were identified.

*Alley Building*

This building is located on the alley at the rear of the Broadway buildings. This building was filled to the seams with items stored by the owner and the flooring on the 2<sup>nd</sup> floor was not safe to walk on. The ceiling on the 2<sup>nd</sup> floor is clad with flat metal 2 x 4 tiles. This ceiling was not inspected thoroughly due to unsafe conditions. The ceiling on the main floor was drywall with textured paint. There is no basement in this structure. We could not get to the room at the rear of this building because there were so many items on the floor. Once all of the items are removed the back room should be inspected.

The following suspect asbestos containing materials were assessed and sampled:

- Drywall ceiling with textured paint (HA 39; 800 SF; intact) and
- Window/door Caulk material on 34 blocked-in openings (HA 40; 2 CF; intact).

Elevator Doors and Components

In the past elevator doors were often lined with asbestos insulation. In addition, the elevator brake shoes and panels where the elevators electric components are installed may have been made using asbestos. We did not attempt to determine whether asbestos was used in construction of this elevator as it appeared that the elevator was in an area of the building that is not slated for demolition.

Roofing

We could not gain access to the roofs during this survey. We brought a twenty foot extension ladder and were unable to reach the roof with this ladder. It is likely that the roofing is in good condition, however we were not able to determine if this is the case, therefore sometime prior to submitting the demolition permit the roof will need to be assessed.

Floor Coverings

Floor coverings were accessed by cutting through the carpeting and through layers of multiple layers of tile etc... However, in the upstairs apartment of 928 Broadway there is a Pergo-style floor that is in very good condition. We did not attempt to discover if there is another type of

flooring beneath this material as to do so would have ruined the floor. Additionally, there was a false floor or raised floor platform on the first floor at 932 Broadway; we did not look under this floor. Other than those two places we attempted to check under every carpet and under all installed floor coverings.

#### Braided Electrical Wiring

Due to the age of the buildings it is likely there are various amounts of asbestos containing braided electrical wiring. This material was not sampled, but is presumed to contain asbestos and is non-friable Category I. This material may remain during demolition.

#### General Information about asbestos containing materials

Some uses of asbestos containing materials were banned in the 1970's and 1980's, these include: sprayed-on fireproofing, Thermal System Insulation (pipe or duct insulation), asbestos paper products, flooring felts and new uses of asbestos; however, a more thorough proposed ban by the USEPA was successfully fought by a group of industrial attorneys. Products not currently banned include: asbestos cement corrugated sheet, asbestos clothing, pipeline wrap, roofing felt, vinyl-asbestos floor tile, asbestos cement shingles, millboard, gaskets, non-roofing coatings and roofing coatings. However, the reality is that relatively few asbestos containing building materials have been manufactured or installed in the US in the past twenty years due to product liability issues.

#### Asbestos-Containing Materials and their Classification

The USEPA uses the terms friable and non-friable to categorize different types of asbestos-containing building materials. Materials that contain more than 1% asbestos and that, when dry, can be reduced to a powder via hand pressure are considered friable or RACM. These materials, if they are to be disturbed, must be removed by a licensed asbestos abatement contractor.

The term RACM includes:

- Friable asbestos-containing materials;
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading;
- Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to a powder by the forces expected to act upon the material in the course of demolition or renovation operations.

Non-Friable Category I materials include floor tiles and roofing felts. Normally, Category I non-friable materials do not become friable unless they are sanded, abraded, or ground-up.

Non-Friable Category II materials are cement products such as Transite shingles, corrugated Transite panels, and other products made with a mixture of Portland cement and asbestos and asbestos containing mastics used or applied to flooring or roofing. It is important to note that

many Non-friable Category II materials can be made friable through the forces expected to act upon them during demolition of a structure. Almost all Category II non-friable materials except mastics must be removed from a structure prior to demolition.

Intact as defined by OSHA means "the ACM has not crumbled, been pulverized, or otherwise deteriorated so that the asbestos is no longer likely to be bound with its matrix."

#### Sampling Methodology

OSHA adopted the USEPA's sampling guidelines as outlined in the Asbestos Hazard Emergency Response Act of 1986.

According to AHERA protocol friable materials are divided into two categories:

1. Surfacing Materials: fireproofing, acoustical plaster, etc.
2. Thermal System Insulation: pipe insulation, pipe wrap, block insulation, batt insulation and mudded fittings.

Non-friable materials are included under:

Miscellaneous Materials: these include non-friable and friable materials that are not Surfacing Materials or Thermal System Insulation, such as: ceiling tile, drywall-joint compound systems, floor tile and mastic, roofing materials and Transite (cement products).

Under these rules, sampling areas are divided into homogeneous areas. Homogeneous areas or materials are defined as building materials that look alike, that appear to have been installed at the same time, and that are used for the same purpose.

When sampling surfacing materials the following protocol applies: the regulations require a specific number of samples be obtained per homogeneous area. For example, when sampling fireproofing or asbestos in hard plaster (sprayed-on or troweled-on Surfacing Materials) samples are to be taken based on the following increments:

- *0 to 1000 square feet of material*, 3 samples are necessary;
- *From 1001 to 5000 square feet*, 5 samples are necessary;
- *Over 5000 square feet*, 7 samples are required.

If during analysis any samples are found to contain asbestos, the entire homogeneous area is delineated as asbestos-containing material.

When sampling Thermal System Insulation the following protocol applies: At least three (3) random samples shall be collected. As with all things there are exceptions to these rules. These include:

- Exception 1: Patch less than six square or linear feet - 1 sample is appropriate.
- Exception 2: Mudded fittings - the number of samples collected is determined by the inspector (the industry standard is three samples).

- Exception 3: Fiberglass, foam glass, rubber (*Armaflex*), *Styrofoam*, and other non-suspect materials can be determined by visual identification and touch; sampling is not required.

When sampling for Miscellaneous Materials-the AHERA regulations state that the samples shall be collected in a manner sufficient to determine the composition of the materials. The 3, 5, 7, sampling scheme used for surfacing materials usually applies and for factory made materials two or three (2 or 3) samples are usually considered sufficient.

The samples were collected from locations that were selected to be representative of the building materials. Sampling of surfacing materials was accomplished in a statistically random manner that was representative of the homogeneous area. Locations of individual samples are referenced on the chain of custody etc...

#### Sampling

The samples taken from this building were either collected with a coring tool designed for asbestos sampling or placed into a plastic bag for laboratory analysis. The samples were analyzed via PLM with dispersion staining, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" found in Appendix A to Subpart F in 40 CFR Part 763. The samples were analyzed by SanAir Technologies Laboratory, located at 1551 Oakbridge Drive, Suite B, Powhatan, VA 23139. SanAir Technologies Laboratory, Inc. participates in the National Voluntary Laboratory Accreditation Program (NVLAP).

The results of the sampling are presented on the following pages:

Sample #	Location/Material	% Asbestos
<b>928 Broadway</b>		
306-1	Basement, North Half, Ceiling/Drywall	no asbestos detected
306-2	Basement, North Half, Ceiling/Drywall	no asbestos detected
306-3	Basement, North Half, Ceiling/Drywall	no asbestos detected
306-4	Basement, South Half, East Side, Ceiling/Hard Plaster, Plaster	no asbestos detected
306-4	Basement, South Half, East Side, Ceiling/Hard Plaster, Skim Coat	no asbestos detected
306-5	Basement, South Half, East Side, Ceiling/Hard Plaster, Plaster	no asbestos detected
306-5	Basement, South Half, East Side, Ceiling/Hard Plaster, Skim Coat	no asbestos detected
306-6	Basement, South Half, Center, Ceiling/Hard Plaster, Plaster	no asbestos detected
306-6	Basement, South Half, Center, Ceiling/Hard Plaster, Skim Coat	no asbestos detected
306-7	Basement, South Half, West Side/Hard Plaster, Plaster	no asbestos detected
306-7	Basement, South Half, West Side/Hard Plaster, Skim Coat	no asbestos detected
306-8	Basement, South Half, West Side/Hard Plaster, Plaster	no asbestos detected
306-8	Basement, South Half, West Side/Hard Plaster, Skim Coat	no asbestos detected
306-9*	Basement, North Half/9" Floor Tile, Floor Tile	3% Chrysotile
306-9	Basement, North Half/9" Floor Tile, Mastic	no asbestos detected
306-9	Basement, North Half/9" Floor Tile, Mastic	no asbestos detected
306-10*	Basement, North Half/9" Floor Tile, Floor Tile	3% Chrysotile
306-10	Basement, North Half/9" Floor Tile, Mastic	no asbestos detected
306-10	Basement, North Half/9" Floor Tile, Mastic	no asbestos detected
306-11*	Basement, South Half/9" Floor Tile, Floor Tile	3% Chrysotile
306-11	Basement, South Half/9" Floor Tile, Mastic	no asbestos detected
306-11	Basement, South Half/9" Floor Tile, Leveling Compound	no asbestos detected
306-12*	Basement, South Half/9" Floor Tile, Floor Tile	3% Chrysotile
306-12	Basement, South Half/9" Floor Tile, Mastic	no asbestos detected
306-12	Basement, South Half/9" Floor Tile, Leveling Compound	no asbestos detected
306-13*	Basement, Boiler/Caulk Material	3% Chrysotile
306-14*	Basement, Boiler/Caulk Material	3% Chrysotile
306-15	1 <sup>st</sup> Floor, Front Lobby, SW Corner/DW-JC, Drywall	no asbestos detected
306-15	1 <sup>st</sup> Floor, Front Lobby, SW Corner/DW-JC, Joint Compound	no asbestos detected
306-16	1 <sup>st</sup> Floor, Front Lobby, SE Corner/DW-JC, Drywall	no asbestos detected
306-16	1 <sup>st</sup> Floor, Front Lobby, SE Corner/DW-JC, Joint Compound	no asbestos detected

Sample #	Location/Material	% Asbestos
306-17	1 <sup>st</sup> Floor, Front Lobby, South Wall/DW-JC, Drywall	no asbestos detected
306-17	1 <sup>st</sup> Floor, Front Lobby, South Wall/DW-JC, Joint Compound	no asbestos detected
306-18	1 <sup>st</sup> Floor, Throughout/CP – 2x4': Fissures and Dots	no asbestos detected
306-19	1 <sup>st</sup> Floor, Throughout/CP – 2x4': Fissures and Dots	no asbestos detected
306-20	1 <sup>st</sup> Floor, SW Office/Linoleum	no asbestos detected
306-21	1 <sup>st</sup> Floor, SW Office/Linoleum	no asbestos detected
306-22	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Drywall	no asbestos detected
306-22	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	no asbestos detected
306-23	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Drywall	no asbestos detected
306-23	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	no asbestos detected
306-24	1 <sup>st</sup> Floor, Rear Addition, East Side, East Wall/DW-JC, Drywall	no asbestos detected
306-24	1 <sup>st</sup> Floor, Rear Addition, East Side, East Wall/DW-JC, Joint Compound	no asbestos detected
306-25	1 <sup>st</sup> Floor, Rear Addition, Fire Door Between 928 & 932/Door Insulation	no asbestos detected
306-26	1 <sup>st</sup> Floor, Rear Addition, Fire Door Between 928 & 932/Door Insulation	no asbestos detected
306-27	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #1, Plaster	no asbestos detected
306-27	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #1, Skim Coat	no asbestos detected
306-27	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #1, Texture	no asbestos detected
306-28	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #2, Plaster	no asbestos detected
306-28	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #2, Skim Coat	no asbestos detected
306-28	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #2, Texture	no asbestos detected
306-29	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #3, Plaster	no asbestos detected
306-29	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #3, Skim Coat	no asbestos detected
306-29	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #3, Texture	no asbestos detected
306-30	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #4, Plaster	no asbestos detected
306-30	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #4, Skim Coat	no asbestos detected
306-30	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #4, Texture	no asbestos detected
306-31	2 <sup>nd</sup> Floor, Apartment, East Bedroom, East Wall/Hard Plaster #5, Plaster	no asbestos detected
306-31	2 <sup>nd</sup> Floor, Apartment, East Bedroom, East Wall/Hard Plaster #5, Skim Coat	no asbestos detected
306-32	2 <sup>nd</sup> Floor, Apartment, Kitchen, North Wall, East Column on Windows/Hard Plaster #6, Plaster	no asbestos detected
306-32	2 <sup>nd</sup> Floor, Apartment, Kitchen, North Wall, East Column on Windows/Hard Plaster #6, Skim Coat	no asbestos detected
306-33	2 <sup>nd</sup> Floor, Apartment, East Bedroom, West Wall/Hard Plaster #7, Plaster	no asbestos detected
306-33	2 <sup>nd</sup> Floor, Apartment, East Bedroom, West Wall/Hard Plaster #7, Skim Coat	no asbestos detected

Sample #	Location/Material	% Asbestos
306-34	2 <sup>nd</sup> Floor, Hallway from Store to Apartment/Linoleum	no asbestos detected
306-35	2 <sup>nd</sup> Floor, Hallway from Store to Apartment/Linoleum	no asbestos detected
306-36	2 <sup>nd</sup> Floor, Kitchen/Linoleum	no asbestos detected
306-37	2 <sup>nd</sup> Floor, Kitchen/Linoleum	no asbestos detected
306-38	2 <sup>nd</sup> Floor, Bathroom/Linoleum	no asbestos detected
306-39	2 <sup>nd</sup> Floor, Bathroom/Linoleum	no asbestos detected
306-40	2 <sup>nd</sup> Floor, Apartment, Kitchen/Sink Coating	no asbestos detected
306-41	2 <sup>nd</sup> Floor, Apartment, Kitchen/Sink Coating	no asbestos detected
<b>932 Broadway</b>		
306-42	1 <sup>st</sup> Floor, North, Front Office, South Wall/DW-JC, Drywall	no asbestos detected
306-42	1 <sup>st</sup> Floor, North, Front Office, South Wall/DW-JC, Joint Compound	no asbestos detected
306-43	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC, Drywall	no asbestos detected
306-43*	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC, Joint Compound	3% Chrysotile
306-44	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC, Drywall	no asbestos detected
306-44*	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC, Joint Compound	3% Chrysotile
306-45	1 <sup>st</sup> Floor, Front Entry/Carpet Mastic	no asbestos detected
306-46	1 <sup>st</sup> Floor, Front Entry/Carpet Mastic	no asbestos detected
306-47	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Flooring	no asbestos detected
306-47	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Burlap	no asbestos detected
306-47	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Felt	no asbestos detected
306-47	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Mastic	no asbestos detected
306-48	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Flooring	no asbestos detected
306-48	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Burlap	no asbestos detected
306-48	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Felt	no asbestos detected
306-48	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastic, Mastic	no asbestos detected
306-49	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Carpet	no asbestos detected
306-49	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Mastic	no asbestos detected
306-50	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Carpet	no asbestos detected
306-50	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Mastic	no asbestos detected
306-51	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Carpet	no asbestos detected
306-51	1 <sup>st</sup> Floor, Throughout/Carpet & Mastic, Mastic	no asbestos detected
306-52	1 <sup>st</sup> Floor, Part in Rear Portion/Mastic under Parquet Flooring, Mastic	no asbestos detected

Sample #	Location/Material	% Asbestos
306-52	1 <sup>st</sup> Floor, Part in Rear Portion/Mastic under Parquet Flooring, Adhesive	no asbestos detected
306-53	1 <sup>st</sup> Floor, Part in Rear Portion/Mastic under Parquet Flooring, Mastic	no asbestos detected
306-53	1 <sup>st</sup> Floor, Part in Rear Portion/Mastic under Parquet Flooring, Adhesive	no asbestos detected
306-54	1 <sup>st</sup> Floor, South Front Office/Linoleum 1	no asbestos detected
306-55	1 <sup>st</sup> Floor, South Front Office/Linoleum 1	no asbestos detected
306-56	1 <sup>st</sup> Floor, Middle Office-Hallway/Linoleum 2: Wood-Like Look	no asbestos detected
306-57	1 <sup>st</sup> Floor, Middle Office-Hallway/Linoleum 2: Wood-Like Look	no asbestos detected
306-58*	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	5% Chrysotile
306-59*	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	5% Chrysotile
306-60	1 <sup>st</sup> Floor, South Office Portion/CP – 2x2' (Not Installed-Disposal Sample)	no asbestos detected
306-61	1 <sup>st</sup> Floor, South Office Portion/CP – 2x2' (Not Installed-Disposal Sample)	no asbestos detected
306-62	2 <sup>nd</sup> Floor, East Half, North Wall/Hard Plaster #1, Plaster	no asbestos detected
306-62	2 <sup>nd</sup> Floor, East Half, North Wall/Hard Plaster #1, Skim Coat	no asbestos detected
306-63	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #2, Plaster	no asbestos detected
306-63	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #2, Skim Coat	no asbestos detected
306-64	2 <sup>nd</sup> Floor, By Apartment Door, North Wall/Hard Plaster #3, Plaster	no asbestos detected
306-64	2 <sup>nd</sup> Floor, By Apartment Door, North Wall/Hard Plaster #3, Skim Coat	no asbestos detected
306-65	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #4, Plaster	no asbestos detected
306-65	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #4, Skim Coat	no asbestos detected
306-66	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #5, Plaster	no asbestos detected
306-66	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #5, Skim Coat	no asbestos detected
306-67	2 <sup>nd</sup> Floor, East Half, Ceiling/Hard Plaster #6, Plaster	no asbestos detected
306-67	2 <sup>nd</sup> Floor, East Half, Ceiling/Hard Plaster #6, Skim Coat	no asbestos detected
306-67	2 <sup>nd</sup> Floor, East Half, Ceiling/Hard Plaster #6, Drywall	no asbestos detected
306-68	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #7, Plaster	no asbestos detected
306-68	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #7, Skim Coat	no asbestos detected
306-69	2 <sup>nd</sup> Floor, North Hallway/Linoleum 4, Linoleum	no asbestos detected
306-69	2 <sup>nd</sup> Floor, North Hallway/Linoleum 4, Mastic	no asbestos detected
306-70	2 <sup>nd</sup> Floor, North Hallway/Linoleum 4, Linoleum	no asbestos detected
306-70	2 <sup>nd</sup> Floor, North Hallway/Linoleum 4, Mastic	no asbestos detected
306-71	2 <sup>nd</sup> Floor, Glass Block Windows/Window Glaze	no asbestos detected
306-72	2 <sup>nd</sup> Floor, Glass Block Windows/Window Glaze	no asbestos detected



Sample #	Location/Material	% Asbestos
306-73	2 <sup>nd</sup> Floor, Addition, South Wall/Hard Plaster #1, Plaster	no asbestos detected
306-73	2 <sup>nd</sup> Floor, Addition, South Wall/Hard Plaster #1, Skim Coat	no asbestos detected
306-74	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #2, Plaster	no asbestos detected
306-74	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #2, Skim Coat	no asbestos detected
306-75	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #3, Plaster	no asbestos detected
306-75	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #3, Skim Coat	no asbestos detected
306-76	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #4, Plaster	no asbestos detected
306-76	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #4, Skim Coat	no asbestos detected
306-77	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #5, Plaster	no asbestos detected
306-77	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #5, Skim Coat	no asbestos detected
306-78	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Foam	no asbestos detected
306-78	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Texture	no asbestos detected
306-79	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Foam	no asbestos detected
306-79	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Texture	no asbestos detected
306-80	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Foam	no asbestos detected
306-80	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam, Texture	no asbestos detected
<b>936 Broadway</b>		
306-81	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Plaster	no asbestos detected
306-81	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Skim Coat	no asbestos detected
306-81	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Texture	no asbestos detected
306-82	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Plaster	no asbestos detected
306-82	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Skim Coat	no asbestos detected
306-82	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Texture	no asbestos detected
306-83	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Plaster	no asbestos detected
306-83	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Skim Coat	no asbestos detected
306-83	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture, Texture	no asbestos detected
306-84*	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	3% Chrysotile
306-84*	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	7% Chrysotile
306-85*	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	3% Chrysotile
306-85*	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	7% Chrysotile
306-86	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring	no asbestos detected
306-87	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring	no asbestos detected

Sample #	Location/Material	% Asbestos
306-88	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring	no asbestos detected
306-89	1 <sup>st</sup> Floor/Mastic on Wood Tiles in Entry Way	no asbestos detected
306-90	1 <sup>st</sup> Floor/Mastic on Wood Tiles in Entry Way	no asbestos detected
306-91	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #1, Plaster	no asbestos detected
306-91	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #1, Skim Coat	no asbestos detected
306-91	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #1, Texture	no asbestos detected
306-92	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #2, Plaster	no asbestos detected
306-92	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #2, Skim Coat	no asbestos detected
306-92	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #2, Texture	no asbestos detected
306-93	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #3, Plaster	no asbestos detected
306-93	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #3, Skim Coat	no asbestos detected
306-93	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #3, Texture	no asbestos detected
306-94	2 <sup>nd</sup> Floor, Apartment, Living Room-Kitchen, North Wall/Hard Plaster with Texture #4, Plaster	no asbestos detected
306-94	2 <sup>nd</sup> Floor, Apartment, Living Room-Kitchen, North Wall/Hard Plaster with Texture #4, Skim Coat	no asbestos detected
306-94	2 <sup>nd</sup> Floor, Apartment, Living Room-Kitchen, North Wall/Hard Plaster with Texture #4, Texture	no asbestos detected
306-95	2 <sup>nd</sup> Floor, Apartment, Entry Hallway, North Wall/Hard Plaster with Texture #5, Plaster	no asbestos detected
306-95	2 <sup>nd</sup> Floor, Apartment, Entry Hallway, North Wall/Hard Plaster with Texture #5, Skim Coat	no asbestos detected
306-95	2 <sup>nd</sup> Floor, Apartment, Entry Hallway, North Wall/Hard Plaster with Texture #5, Texture	no asbestos detected
306-96	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #6, Plaster	no asbestos detected
306-96	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #6, Skim Coat	no asbestos detected
306-96	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #6, Texture	no asbestos detected
306-97	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #7, Plaster	no asbestos detected
306-97	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #7, Skim Coat	no asbestos detected
306-97	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #7, Texture	no asbestos detected
306-98	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Drywall	no asbestos detected
306-98	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Joint Compound	no asbestos detected
306-99	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Drywall	no asbestos detected
306-99	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Joint Compound	no asbestos detected
306-100	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Drywall	no asbestos detected
306-100	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC, Joint Compound	no asbestos detected
306-101	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Drywall	no asbestos detected
306-101	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Texture	no asbestos detected

Sample #	Location/Material	% Asbestos
306-102	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Drywall	no asbestos detected
306-102	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Texture	no asbestos detected
306-103	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Drywall	no asbestos detected
306-103	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish, Texture	no asbestos detected
306-104	2 <sup>nd</sup> Floor, Apartment, Living Room, West Section/Popcorn Ceiling	no asbestos detected
306-105	2 <sup>nd</sup> Floor, Apartment, Living Room, West Section/Popcorn Ceiling	no asbestos detected
306-106	2 <sup>nd</sup> Floor, Apartment, Living Room, Center Section/Popcorn Ceiling	no asbestos detected
306-107	2 <sup>nd</sup> Floor, Apartment, Living Room, Center Section/Popcorn Ceiling	no asbestos detected
306-108	2 <sup>nd</sup> Floor, Apartment, Living Room, East Section/Popcorn Ceiling	no asbestos detected
306-109	2 <sup>nd</sup> Floor, Apartment, Hallway, East Section/Textured Ceiling Material	no asbestos detected
306-110	2 <sup>nd</sup> Floor, Apartment, Hallway, West Section/Textured Ceiling Material	no asbestos detected
306-111	2 <sup>nd</sup> Floor, Apartment, Hallway, Master Bedroom/Textured Ceiling Material	no asbestos detected
306-112	2 <sup>nd</sup> Floor, Apartment, Hallway, Master Bedroom/Textured Ceiling Material	no asbestos detected
306-113	2 <sup>nd</sup> Floor, Apartment, Hallway, Master Bathroom/Textured Ceiling Material	no asbestos detected
<b>Alley Building on Corner of East 10<sup>th</sup> Street and Broadway</b>		
306-114	Throughout, Ceiling/Drywall with Textured Paint, Drywall	no asbestos detected
306-114*	Throughout, Ceiling/Drywall with Textured Paint, Texture	3% Chrysotile
306-115	Throughout, Ceiling/Drywall with Textured Paint, Drywall	no asbestos detected
306-115*	Throughout, Ceiling/Drywall with Textured Paint, Texture	3% Chrysotile
306-116	Throughout, Ceiling/Drywall with Textured Paint, Drywall	no asbestos detected
306-116*	Throughout, Ceiling/Drywall with Textured Paint, Texture	3% Chrysotile
306-117*	Doors & Windows/Caulk Material	7% Chrysotile
306-118*	Doors & Windows/Caulk Material	7% Chrysotile

### Point Count Analysis

The samples denoted with an asterisk (\*) were further analyzed via point counting. When a bulk sample of material is found to contain 10% asbestos or less, the sample may be presumed to contain greater than 1% asbestos and treated as such or the sample can be analyzed via Point Counting.

This additional step is employed to more accurately determine the percent of asbestos that is in the material being sampled. Additionally, samples analyzed via PLM frequently are determined to contain "trace" amounts of asbestos usually written as <1% asbestos. Any sample determined to contain <1% asbestos must be point counted to prove it contains less than 1% or be assumed to be an Asbestos Containing Material.

The samples were analyzed utilizing positive stop – when one (1) sample in the same Homogenous Area was identified to contain asbestos in quantities over 1% the analysis was halted. Positive stop analysis was employed in order to save time and money.

The results of the point count analysis are as follows:

Sample #	Location/Material	Point Count Results
<b>928 Broadway</b>		
306-9	Basement, North Half/9" Floor Tile, Floor Tile	2.9% Chrysotile
306-10	Basement, North Half/9" Floor Tile, Floor Tile	NA-PS
306-11	Basement, South Half/9" Floor Tile, Floor Tile	5.6% Chrysotile
306-12	Basement, South Half/9" Floor Tile, Floor Tile	NA-PS
306-13	Basement, Boiler/Caulk Material	0.75% Chrysotile
306-14	Basement, Boiler/Caulk Material	1.5% Chrysotile
306-22	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	4% Chrysotile
306-23	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	NA-PS
306-24	1 <sup>st</sup> Floor, Rear Addition, East Side, East Wall/DW-JC, Joint Compound	NA-PS
<b>932 Broadway</b>		
306-43	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC, Joint Compound	0.5% Chrysotile
306-44	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC, Joint Compound	1.75% Chrysotile
306-58	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	2.5% Chrysotile
306-59	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	NA-PS
<b>936 Broadway</b>		
306-84	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	7.8% Chrysotile
306-84	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	1.7% Chrysotile
306-85	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	NA-PS
306-85	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	NA-PS
<b>Alley Building on Corner of East 10<sup>th</sup> Street and Broadway</b>		
306-114	Throughout, Ceiling/Drywall with Textured Paint, Texture	0.75% Chrysotile
306-115	Throughout, Ceiling/Drywall with Textured Paint, Texture	0.75% Chrysotile
306-116	Throughout, Ceiling/Drywall with Textured Paint, Texture	1% Chrysotile
306-117	Doors & Windows/Caulk Material	2.75% Chrysotile
306-118	Doors & Windows/Caulk Material	NA-PS

Key: NA-PS = Not Analyzed, Positive Stop

On November 11, 2014 HazCorp personnel revisited the site in order to further delineate the building materials.

The following samples were collected and analyzed:

Sample #	Location/Material	Result
<b>936 Broadway</b>		
306-119	Front Unit, Showroom Area, Partition Wall, West Wall/DW-JC, Drywall	no asbestos detected
306-119	Front Unit, Showroom Area, Partition Wall, West Wall/DW-JC, Joint Compound	no asbestos detected
306-120	Front Unit, Showroom Area, Partition Wall, West Wall/DW-JC, Drywall	no asbestos detected
306-120	Front Unit, Showroom Area, Partition Wall, West Wall/DW-JC, Joint Compound	no asbestos detected
306-121	2 <sup>nd</sup> Floor, Showroom, East Half, Partition, West Wall near Apt Entrance (White Wall)/DW-JC, Drywall	no asbestos detected
306-121	2 <sup>nd</sup> Floor, Showroom, East Half, Partition, West Wall near Apt Entrance (White Wall)/DW-JC, Joint Compound	no asbestos detected
306-122	2 <sup>nd</sup> Floor, Showroom, South Half, Partition, North Wall (Burgundy Wall with adjoining Floral Wallpapered Wall)/DW-JC, Drywall	no asbestos detected
306-122*	2 <sup>nd</sup> Floor, Showroom, South Half, Partition, North Wall (Burgundy Wall with adjoining Floral Wallpapered Wall)/DW-JC, Joint Compound	<1% Chrysotile
306-123*	Exterior/Caulk by Rear Opening Doors	4% Chrysotile
306-124*	Exterior/Caulk by Rear Opening Doors	4% Chrysotile

The samples with an asterisk (\*) were even further delineated to prove their asbestos content. The results of the point count are:

Sample #	Location/Material	Point Count Results
<b>936 Broadway</b>		
306-122	2 <sup>nd</sup> Floor, Showroom, South Half, Partition, North Wall (Burgundy Wall with adjoining Floral Wallpapered Wall)/Joint Compound	0.75% Chrysotile
306-123	Exterior/Caulk by Rear Opening Doors	1.25% Chrysotile
306-124	Exterior/Caulk by Rear Opening Doors	NA-PS

NA-PS = Not Analyzed/ Positive Stop

### Conclusions

Based on the laboratory analysis the following building materials are considered asbestos containing materials and must be properly handled if they are to be disturbed during renovation or demolition:

#### *928 Broadway*

- 1,275 square feet of drywall with ACM joint compound applied to the seams and nails in the 2<sup>nd</sup> Floor addition – rear of the building.
- Approximately 6 square feet of Transite board on electrical panel in basement.
- The caulk around the door openings on the rear of the building.

#### *932 Broadway*

- 9,000 square feet of drywall with ACM joint compound applied to the seams and nail heads.
- 4,275 square feet of floor tile in the basement beneath the carpet.
- 1 cubic foot of caulk/glaze around windows.
- The caulk around the door openings on the rear of the building.
- 1 cubic foot of ACM caulk applied to the boiler.
- 110 linear feet of Presumed ACM 8-inch aircell pipe insulation in basement.
- 3 linear feet of Presumed ACM 8-inch aircell pipe insulation and ACM debris on piping at rear of first floor.

#### *936 Broadway*

- The 1,650 square feet of 9" floor tile and mastic on the 1<sup>st</sup> floor.
- The caulk around the door openings on the rear of the building.

#### *Alley Building*

- 34 windows or doors, mostly blocked up, with ACM caulk remaining around the openings.

HazCorp is not informed of the plans made for these buildings; therefore we did not attempt to determine which materials would need to be removed during renovation or demolition of these structures.

With regard to renovation: there are no rules requiring arbitrary removal of asbestos containing materials. Under current rules and regulations these materials may remain in these structures indefinitely.

With regard to demolition: those materials which would be rendered friable (or reduced to a powder creating airborne dust) should be removed prior to demolition. However, floor tile and mastic do not have to be removed as long as they are in good condition and will not become friable during demolition. Materials which may become friable would need to be removed.



Please find included with this letter: the photographic log, asbestos location maps, the laboratory analytical results from SanAir Technologies Laboratory, Inc. and the completed chain of custody forms.

*Limits of this Report*

It should be noted that on-site conditions and/or regulatory statutes, rules, and regulations are not static and should not be expected to remain constant in the future. Asbestos may be hidden in inaccessible areas, covered by other building materials, or otherwise be located in unpredictable site-specific locations; however, a thorough attempt was made to delineate which building materials actually contain asbestos. If suspect materials are encountered in the demolition process the work should be halted and the material in question analyzed.

HazCorp appreciates the opportunity to be of service. If you have any questions related to this report please feel free to contact me at [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net) or 419.537.6000.

Respectfully,



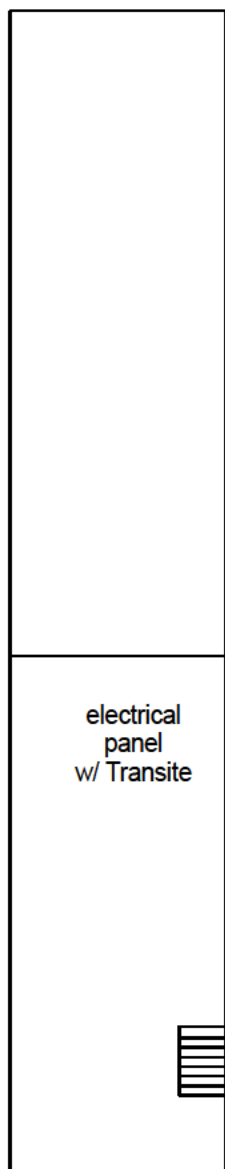
**John Campbell**

State of Ohio Dept. of Health  
Certified Asbestos Hazard Evaluation Specialist  
Certification No. ES32329 • Certification Expires 03.23.15



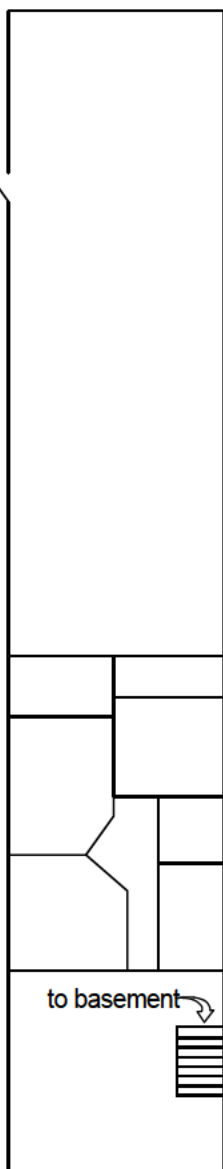
**Charles Long**

State of Ohio Dept. of Health  
Certified Asbestos Hazard Evaluation Specialist  
Certification No. ES35315 Certification Expires 04.27.15



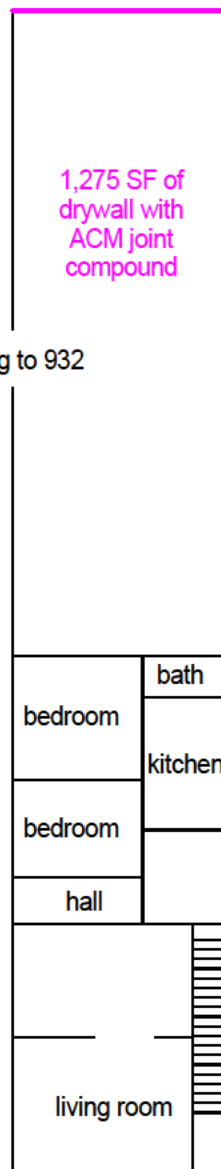
basement

door to 932

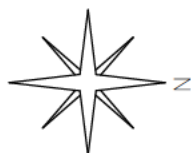


1st floor

opening to 932



2nd floor



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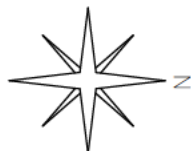
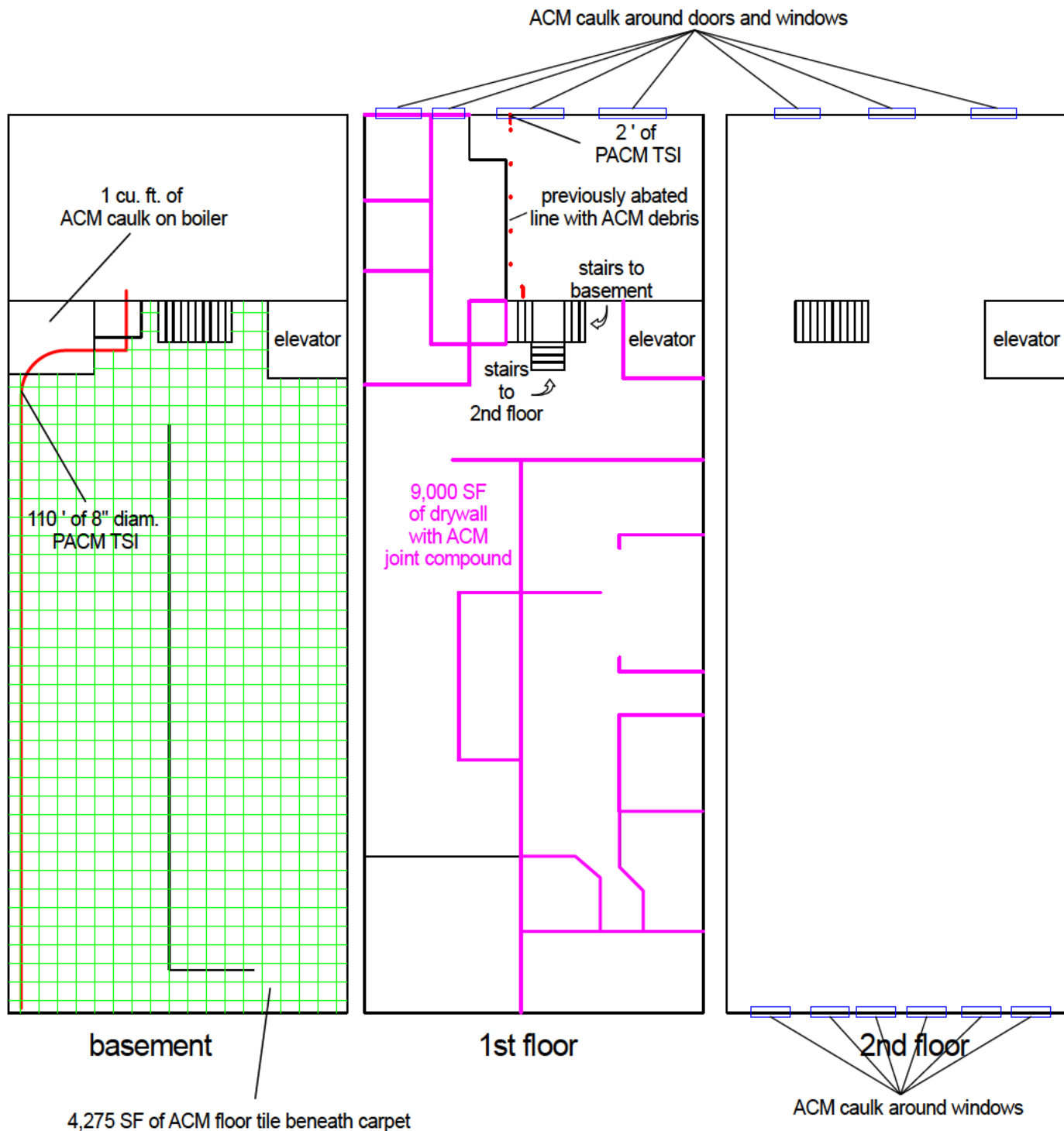
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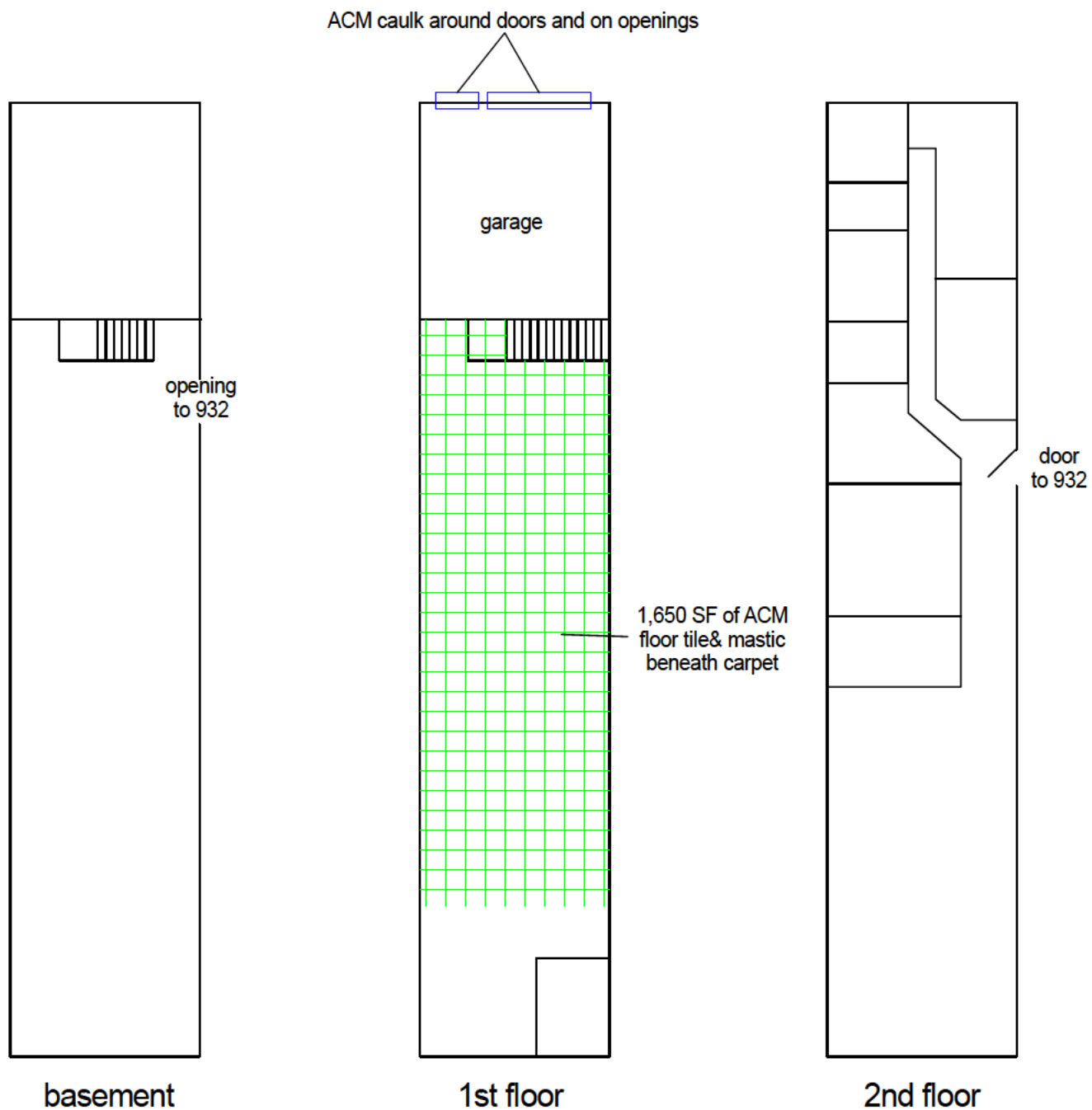
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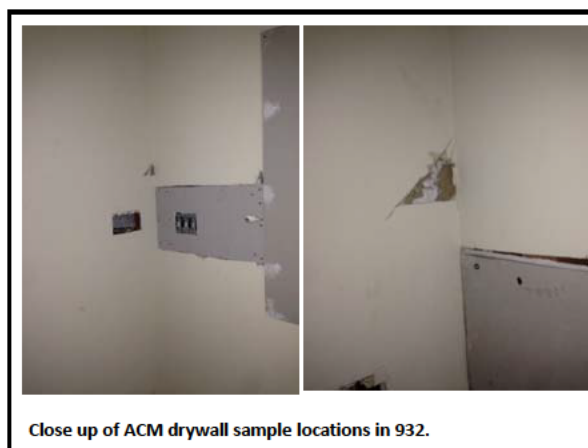
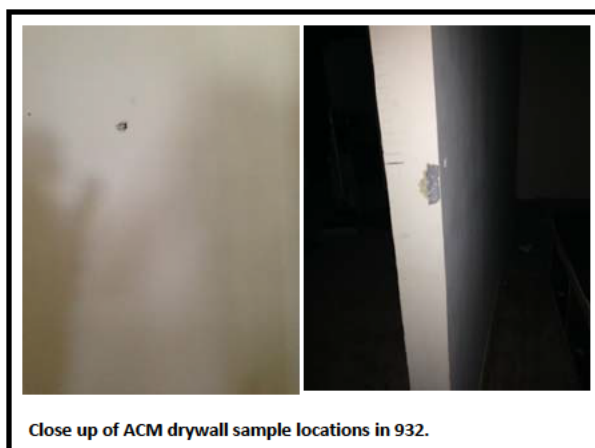
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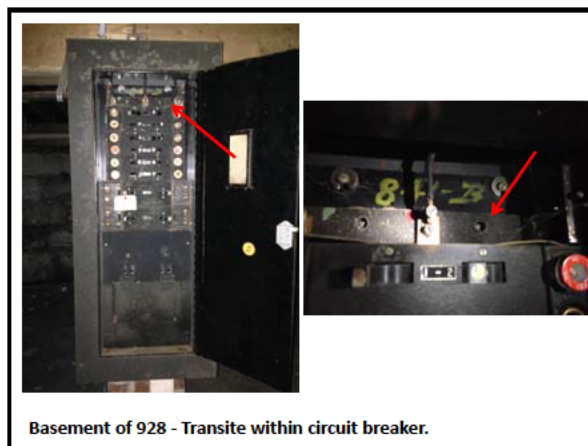
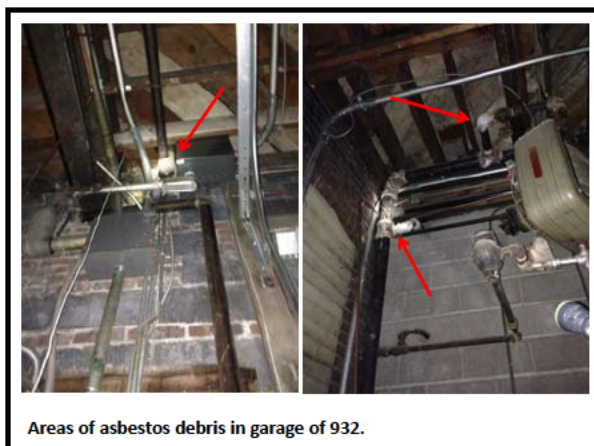
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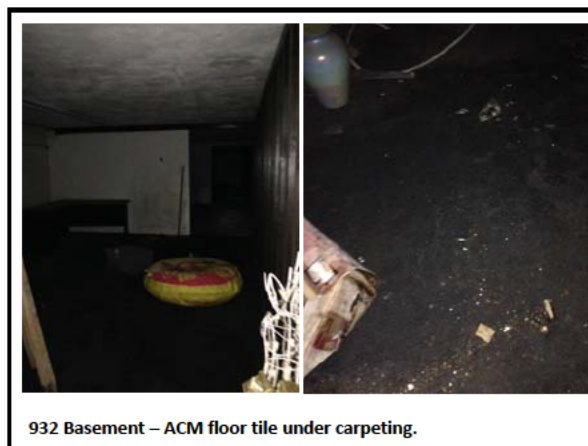
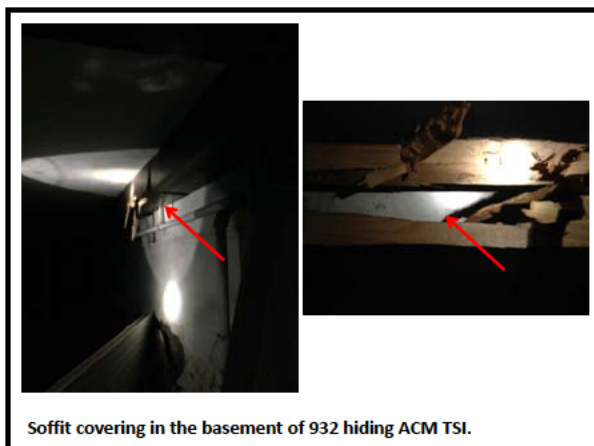
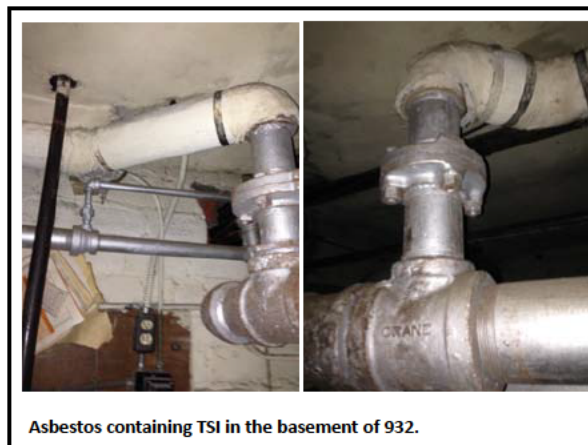
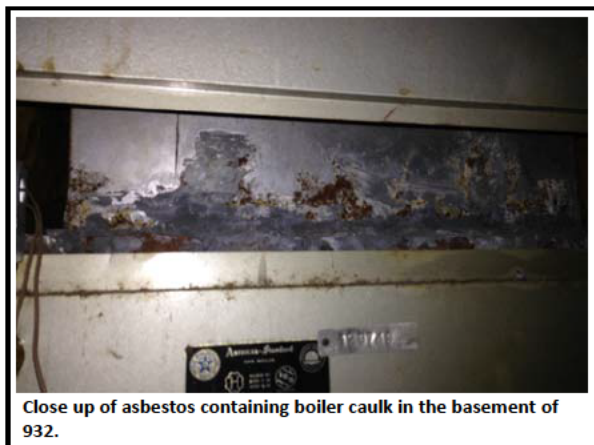
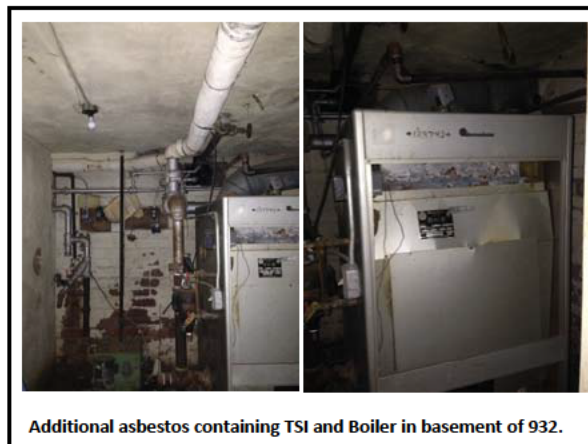
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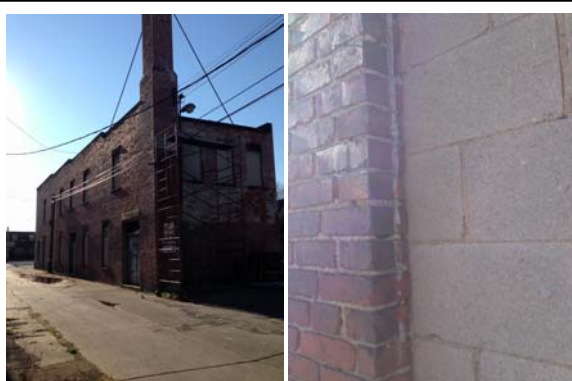




Back area of 932 – drywall-joint compound is ACM.



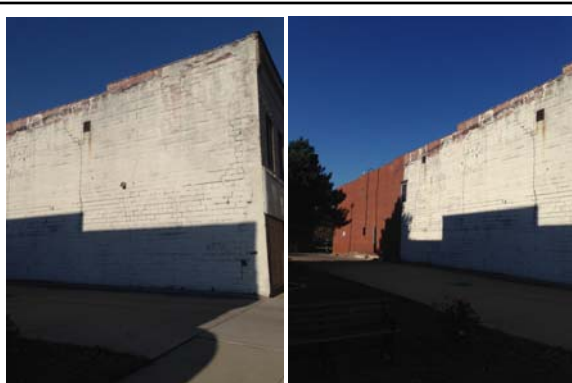
Back area of 932 – drywall-joint compound is ACM.



Alley building (left). ACM caulk on the alley building (right).



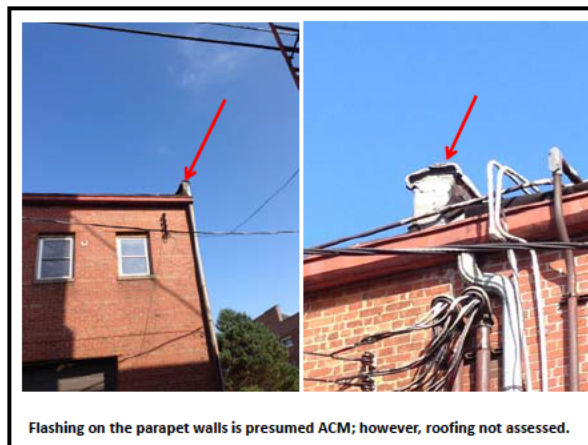
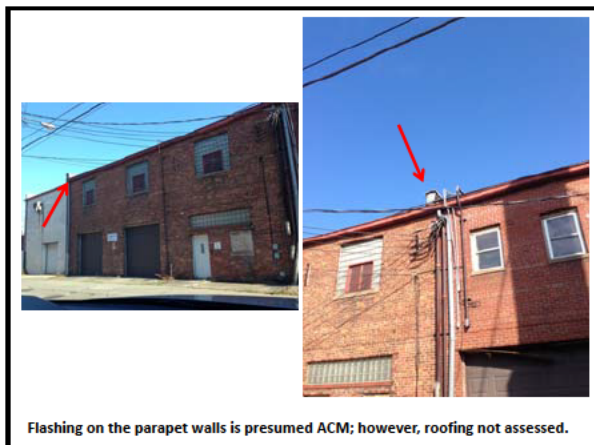
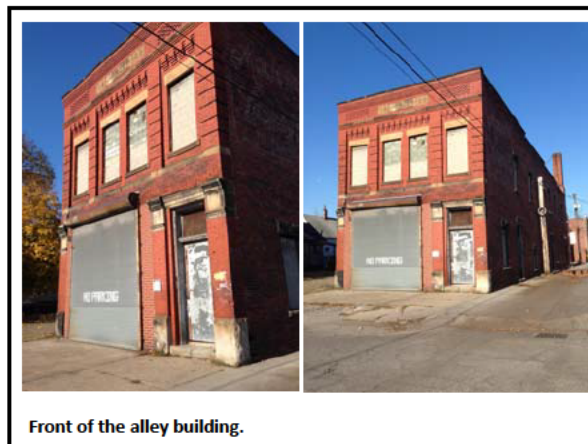
Exterior rear of the building.



Exterior side of the building – white is original; red brick is addition.



Front of the building.



# SanAir Technologies Laboratory

## Analysis Report

prepared for

**HazCorp Environmental  
Services, Inc.**

Report Date: 10/30/2014  
Project Name: 928, 932, And 936  
Broadway Ave.  
Project #: 2014-306  
SanAir ID#: 14030049



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



**804.897.1177**

**[www.sanair.com](http://www.sanair.com)**





# SanAir Technologies Laboratory, Inc.

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**HazCorp Environmental Services, Inc.**  
**805 Capital Commons**  
**Toledo, OH 43615**

October 30, 2014

SanAir ID # 14030049  
Project Name: 928, 932, And 936 Broadway Ave.  
Project Number: 2014-306

Dear John Campbell,

We at SanAir would like to thank you for the work you recently submitted. The 118 sample(s) were received on Wednesday, October 29, 2014 via FedEx. The final report(s) is enclosed for the following sample(s): 306-1, 306-2, 306-3, 306-4, 306-5, 306-6, 306-7, 306-8, 306-9, 306-10, 306-11, 306-12, 306-13, 306-14, 306-15, 306-16, 306-17, 306-18, 306-19, 306-20, 306-21, 306-22, 306-23, 306-24, 306-25, 306-26, 306-27, 306-28, 306-29, 306-30, 306-31, 306-32, 306-33, 306-34, 306-35, 306-36, 306-37, 306-38, 306-39, 306-40, 306-41, 306-42, 306-43, 306-44, 306-45, 306-46, 306-47, 306-48, 306-49, 306-50, 306-51, 306-52, 306-53, 306-54, 306-55, 306-56, 306-57, 306-58, 306-59, 306-60, 306-61, 306-62, 306-63, 306-64, 306-65, 306-66, 306-67, 306-68, 306-69, 306-70, 306-71, 306-72, 306-73, 306-74, 306-75, 306-76, 306-77, 306-78, 306-79, 306-80, 306-81, 306-82, 306-83, 306-84, 306-85, 306-86, 306-87, 306-88, 306-89, 306-90, 306-91, 306-92, 306-93, 306-94, 306-95, 306-96, 306-97, 306-98, 306-99, 306-100, 306-101, 306-102, 306-103, 306-104, 306-105, 306-106, 306-107, 306-108, 306-109, 306-110, 306-111, 306-112, 306-113, 306-114, 306-115, 306-116, 306-117, 306-118.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:  
- Cover Letter  
- Analysis Pages  
- Disclaimers and Additional Information

sample conditions:



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/29/2014 10:10:00 AM  
**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-1 / 14030049-001 Basement, North Half, Ceiling/ Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-2 / 14030049-002 Basement, North Half, Ceiling/ Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-3 / 14030049-003 Basement, North Half, Ceiling/ Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-4 / 14030049-004 Basement, South Half, East Side, Ceiling, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-4 / 14030049-004 Basement, South Half, East Side, Ceiling, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-5 / 14030049-005 Basement, South Half, East Side, Ceiling, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-5 / 14030049-005 Basement, South Half, East Side, Ceiling, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-6 / 14030049-006 Basement, South Half, Center, Ceiling/ Hard Plaster, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-6 / 14030049-006 Basement, South Half, Center, Ceiling/ Hard Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 1 of 24



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030049**

FINAL REPORT

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**Address:** 805 Capital Commons  
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**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-7 / 14030049-007 Basement, South Half, West Side/ Hard Plaster, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

306-7 / 14030049-007 Basement, South Half, West Side/ Hard Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
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SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-8 / 14030049-008 Basement, South Half, West Side/ Hard Plaster, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

306-8 / 14030049-008 Basement, South Half, West Side/ Hard Plaster, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
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SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-9 / 14030049-009 Basement, North Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

306-9 / 14030049-009 Basement, North Half/ 9" Floor Tile, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
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306-9 / 14030049-009 Basement, North Half/ 9" Floor Tile, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
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SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-10 / 14030049-010 Basement, North Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

306-10 / 14030049-010 Basement, North Half/ 9" Floor Tile, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
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306-10 / 14030049-010 Basement, North Half/ 9" Floor Tile, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
--	-------------------------------------	--	------------	---------------

### Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 2 of 24



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SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-11 / 14030049-011 Basement, South Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
306-11 / 14030049-011 Basement, South Half/ 9" Floor Tile, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
306-11 / 14030049-011 Basement, South Half/ 9" Floor Tile, Leveling Compound	Grey Non-Fibrous Homogeneous	3% Synthetic	97% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-12 / 14030049-012 Basement, South Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
306-12 / 14030049-012 Basement, South Half/ 9" Floor Tile, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
306-12 / 14030049-012 Basement, South Half/ 9" Floor Tile, Leveling Compound	Grey Non-Fibrous Homogeneous	3% Synthetic	97% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-13 / 14030049-013 Basement, Boiler/ Caulk Material	Grey Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-14 / 14030049-014 Basement, Boiler/ Caulk Material	Grey Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-15 / 14030049-015 1st Floor, Front Lobby, SW Corner/ DW-JC, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-15 / 14030049-015 1st Floor, Front Lobby, SW Corner/ DW-JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014



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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-16 / 14030049-016 1st Floor, Front Lobby, SE Corner/ DW-JC, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-16 / 14030049-016 1st Floor, Front Lobby, SE Corner/ DW-JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-17 / 14030049-017 1st Floor, Front Lobby, South Wall/ DW-JC, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-17 / 14030049-017 1st Floor, Front Lobby, South Wall/ DW-JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-18 / 14030049-018 1st Floor, Throughout/ CP - 2x4'	Beige Fibrous Homogeneous	45% Cellulose 35% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-19 / 14030049-019 1st Floor, Throughout/ CP - 2x4'	Beige Fibrous Homogeneous	45% Cellulose 35% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-20 / 14030049-020 1st Floor, SW Office/ Linoleum	Tan Non-Fibrous Homogeneous	30% Cellulose 15% Glass	55% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-21 / 14030049-021 1st Floor, SW Office/ Linoleum	Tan Non-Fibrous Homogeneous	30% Cellulose 15% Glass	55% Other	None Detected

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-22 / 14030049-022 1st Floor, Rear Addition, North, Central Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-22 / 14030049-022 1st Floor, Rear Addition, North, Central Wall, Joint Compound	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-23 / 14030049-023 1st Floor, Rear Addition, North, Central Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-23 / 14030049-023 1st Floor, Rear Addition, North, Central Wall, Joint Compound	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-24 / 14030049-024 1st Floor, Rear Addition, East Side, East Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-24 / 14030049-024 1st Floor, Rear Addition, East Side, East Wall, Joint Compound	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-25 / 14030049-025 1st Floor, Rear Addition, Fire Door Between 928 & 932/ Door	Beige Fibrous Homogeneous	20% Cellulose 20% Wollastonite 15% Glass	45% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-26 / 14030049-026 1st Floor, Rear Addition, Fire Door Between 928 & 932/ Door	Beige Fibrous Homogeneous	20% Cellulose 20% Wollastonite 15% Glass	45% Other	None Detected

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014



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SanAir ID Number

**14030049**

FINAL REPORT

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**Address:** 805 Capital Commons  
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**Project Number:** 2014-306  
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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-27 / 14030049-027 2nd Floor, Apartment, Stairwell, South Wall, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-27 / 14030049-027 2nd Floor, Apartment, Stairwell, South Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-27 / 14030049-027 2nd Floor, Apartment, Stairwell, South Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-28 / 14030049-028 2nd Floor, Apartment, Stairwell, South Wall, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-28 / 14030049-028 2nd Floor, Apartment, Stairwell, South Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-28 / 14030049-028 2nd Floor, Apartment, Stairwell, South Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-29 / 14030049-029 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #3, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-29 / 14030049-029 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #3, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-29 / 14030049-029 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #3, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-30 / 14030049-030 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #4, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-30 / 14030049-030 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #4, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-30 / 14030049-030 2nd Floor, Apartment, Kitchen, Ceiling/ Hard Plaster #4, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 6 of 24





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## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-31 / 14030049-031 2nd Floor, Apartment, East Bedroom, East Wall, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-31 / 14030049-031 2nd Floor, Apartment, East Bedroom, East Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-32 / 14030049-032 2nd Floor, Apartment, Kitchen, North Wall, East Column, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-32 / 14030049-032 2nd Floor, Apartment, Kitchen, North Wall, East Column, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-33 / 14030049-033 2nd Floor, Apartment, East Bedroom, West Wall, Plaster	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-33 / 14030049-033 2nd Floor, Apartment, East Bedroom, West Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-34 / 14030049-034 2nd Floor, Hallway From Store To Apartment/ Linoleum	Various Fibrous Homogeneous	55% Cellulose	45% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-35 / 14030049-035 2nd Floor, Hallway From Store To Apartment/ Linoleum	Various Fibrous Homogeneous	55% Cellulose	45% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 7 of 24





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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-36 / 14030049-036 2nd Floor, Kitchen/ Linoleum	Beige Non-Fibrous Homogeneous	30% Cellulose 15% Glass	55% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-37 / 14030049-037 2nd Floor, Kitchen/ Linoleum	Beige Non-Fibrous Homogeneous	30% Cellulose 15% Glass	55% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-38 / 14030049-038 2nd Floor, Bathroom/ Linoleum	White Non-Fibrous Homogeneous	20% Cellulose 10% Glass	70% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-39 / 14030049-039 2nd Floor, Bathroom/ Linoleum	White Non-Fibrous Homogeneous	20% Cellulose 10% Glass	70% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-40 / 14030049-040 2nd Floor, Apartment, Kitchen/ Sink Coating	Beige Non-Fibrous Homogeneous	35% Cellulose	65% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-41 / 14030049-041 2nd Floor, Apartment, Kitchen/ Sink Coating	Beige Non-Fibrous Homogeneous	35% Cellulose	65% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-42 / 14030049-042 1st Floor, North, Front Office, South Wall/ DW-JC, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-42 / 14030049-042 1st Floor, North, Front Office, South Wall/ DW-JC, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014



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SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/29/2014 10:10:00 AM  
**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-43 / 14030049-043 1st Floor, South End Offices Hallway, South Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-43 / 14030049-043 1st Floor, South End Offices Hallway, South Wall, Joint Compound	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-44 / 14030049-044 1st Floor, South End Offices, SW Corner/ DW-JC, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
306-44 / 14030049-044 1st Floor, South End Offices, SW Corner/ DW-JC, Joint Compound	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-45 / 14030049-045 1st Floor, Front Entry/ Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-46 / 14030049-046 1st Floor, Front Entry/ Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-47 / 14030049-047 1st Floor, Rear Hallway/ Flooring, Flooring	Tan Non-Fibrous Homogeneous	25% Cellulose	75% Other	None Detected
306-47 / 14030049-047 1st Floor, Rear Hallway/ Flooring, Burlap	Tan Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
306-47 / 14030049-047 1st Floor, Rear Hallway/ Flooring, Felt	Black Fibrous Homogeneous	85% Cellulose	15% Other	None Detected
306-47 / 14030049-047 1st Floor, Rear Hallway/ Flooring, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014



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SanAir ID Number

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-48 / 14030049-048 1st Floor, Rear Hallway/ Flooring, Flooring	Tan Non-Fibrous Homogeneous	25% Cellulose	75% Other	None Detected
306-48 / 14030049-048 1st Floor, Rear Hallway/ Flooring, Burlap	Tan Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
306-48 / 14030049-048 1st Floor, Rear Hallway/ Flooring, Felt	Black Fibrous Homogeneous	85% Cellulose	15% Other	None Detected
306-48 / 14030049-048 1st Floor, Rear Hallway/ Flooring, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-49 / 14030049-049 1st Floor, Throughout/ Carpet & Mastic, Carpet	Various Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
306-49 / 14030049-049 1st Floor, Throughout/ Carpet & Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-50 / 14030049-050 1st Floor, Throughout/ Carpet & Mastic, Carpet	Various Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
306-50 / 14030049-050 1st Floor, Throughout/ Carpet & Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-51 / 14030049-051 1st Floor, Throughout/ Carpet & Mastic, Carpet	Various Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
306-51 / 14030049-051 1st Floor, Throughout/ Carpet & Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

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## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-52 / 14030049-052 1st Floor, Part In Rear Portion/ Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
306-52 / 14030049-052 1st Floor, Part In Rear Portion/ Mastic, Adhesive	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-53 / 14030049-053 1st Floor, Part In Rear Portion/ Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
306-53 / 14030049-053 1st Floor, Part In Rear Portion/ Mastic, Adhesive	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-54 / 14030049-054 1st Floor, South Front Office/ Linoleum 1	Tan Fibrous Homogeneous	55% Cellulose	45% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-55 / 14030049-055 1st Floor, South Front Office/ Linoleum 1	Tan Fibrous Homogeneous	55% Cellulose	45% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-56 / 14030049-056 1st Floor, Middle Office - Hallway/ Linoleum 2	Brown Fibrous Homogeneous	50% Cellulose	50% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-57 / 14030049-057 1st Floor, Middle Office - Hallway/ Linoleum 2	Brown Fibrous Homogeneous	50% Cellulose	50% Other	None Detected

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-58 / 14030049-058 1st Floor, Glass Block Windows/ Window Glaze	Beige Non-Fibrous Homogeneous		95% Other	5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-59 / 14030049-059 1st Floor, Glass Block Windows/ Window Glaze	Beige Non-Fibrous Homogeneous		95% Other	5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-60 / 14030049-060 1st Floor, South Office Portion/ CP - 2x2'	Beige Fibrous Homogeneous	45% Cellulose 35% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-61 / 14030049-061 1st Floor, South Office Portion/ CP - 2x2'	Beige Fibrous Homogeneous	45% Cellulose 35% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-62 / 14030049-062 2nd Floor, East Half, North Wall/ Hard Plaster #1, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-62 / 14030049-062 2nd Floor, East Half, North Wall/ Hard Plaster #1, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-63 / 14030049-063 2nd Floor, East Half, South Wall/ Hard Plaster #2, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-63 / 14030049-063 2nd Floor, East Half, South Wall/ Hard Plaster #2, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-64 / 14030049-064 2nd Floor, By Apartment Door, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-64 / 14030049-064 2nd Floor, By Apartment Door, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-65 / 14030049-065 2nd Floor, East Half, South Wall/ Hard Plaster #4, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-65 / 14030049-065 2nd Floor, East Half, South Wall/ Hard Plaster #4, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-66 / 14030049-066 2nd Floor, East Half, East Wall/ Hard Plaster #5, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-66 / 14030049-066 2nd Floor, East Half, East Wall/ Hard Plaster #5, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-67 / 14030049-067 2nd Floor, East Half, Ceiling/ Hard Plaster #6, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-67 / 14030049-067 2nd Floor, East Half, Ceiling/ Hard Plaster #6, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-67 / 14030049-067 2nd Floor, East Half, Ceiling/ Hard Plaster #6, Drywall	White Non-Fibrous Heterogeneous	7% Cellulose	93% Other	None Detected

## Certification

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-68 / 14030049-068 2nd Floor, East Half, East Wall/ Hard Plaster #7, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-68 / 14030049-068 2nd Floor, East Half, East Wall/ Hard Plaster #7, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-69 / 14030049-069 2nd Floor, North Hallway/ Linoleum 4, Linoleum	Various Fibrous Homogeneous	55% Cellulose	45% Other	None Detected
306-69 / 14030049-069 2nd Floor, North Hallway/ Linoleum 4, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-70 / 14030049-070 2nd Floor, North Hallway/ Linoleum 4, Linoleum	Various Fibrous Homogeneous	55% Cellulose	45% Other	None Detected
306-70 / 14030049-070 2nd Floor, North Hallway/ Linoleum 4, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-71 / 14030049-071 2nd Floor, Glass Block Windows/ Window Glaze	Beige Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-72 / 14030049-072 2nd Floor, Glass Block Windows/ Window Glaze	Beige Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

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## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-73 / 14030049-073 2nd Floor, Addition, South Wall/ Hard Plaster #1, Plaster	Beige Non-Fibrous Homogeneous	3% Hair	97% Other	None Detected
306-73 / 14030049-073 2nd Floor, Addition, South Wall/ Hard Plaster #1, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-74 / 14030049-074 2nd Floor, Addition, North Wall/ Hard Plaster #2, Plaster	Beige Non-Fibrous Homogeneous	3% Hair	97% Other	None Detected
306-74 / 14030049-074 2nd Floor, Addition, North Wall/ Hard Plaster #2, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-75 / 14030049-075 2nd Floor, Addition, Ceiling/ Hard Plaster #3, Plaster	Beige Non-Fibrous Homogeneous	3% Hair	97% Other	None Detected
306-75 / 14030049-075 2nd Floor, Addition, Ceiling/ Hard Plaster #3, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-76 / 14030049-076 2nd Floor, Addition, North Wall/ Hard Plaster #4, Plaster	Beige Non-Fibrous Homogeneous	3% Hair	97% Other	None Detected
306-76 / 14030049-076 2nd Floor, Addition, North Wall/ Hard Plaster #4, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-77 / 14030049-077 2nd Floor, Addition, Ceiling/ Hard Plaster #5, Plaster	Beige Non-Fibrous Homogeneous	3% Hair	97% Other	None Detected
306-77 / 14030049-077 2nd Floor, Addition, Ceiling/ Hard Plaster #5, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

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## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-78 / 14030049-078 2nd Floor, Addition, West, Exterior Wall, Foam	Beige Non-Fibrous Homogeneous		100% Other	None Detected
306-78 / 14030049-078 2nd Floor, Addition, West, Exterior Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-79 / 14030049-079 2nd Floor, Addition, West, Exterior Wall, Foam	Beige Non-Fibrous Homogeneous		100% Other	None Detected
306-79 / 14030049-079 2nd Floor, Addition, West, Exterior Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-80 / 14030049-080 2nd Floor, Addition, West, Exterior Wall, Foam	Beige Non-Fibrous Homogeneous		100% Other	None Detected
306-80 / 14030049-080 2nd Floor, Addition, West, Exterior Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-81 / 14030049-081 1st Floor, Vestibule/ Hard Plaster With Texture, Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
306-81 / 14030049-081 1st Floor, Vestibule/ Hard Plaster With Texture, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-81 / 14030049-081 1st Floor, Vestibule/ Hard Plaster With Texture, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

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SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-82 / 14030049-082 1st Floor, Vestibule/ Hard Plaster With Texture, Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
306-82 / 14030049-082 1st Floor, Vestibule/ Hard Plaster With Texture, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-82 / 14030049-082 1st Floor, Vestibule/ Hard Plaster With Texture, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-83 / 14030049-083 1st Floor, Vestibule/ Hard Plaster With Texture, Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
306-83 / 14030049-083 1st Floor, Vestibule/ Hard Plaster With Texture, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-83 / 14030049-083 1st Floor, Vestibule/ Hard Plaster With Texture, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-84 / 14030049-084 1st Floor/ 9" Floor Tile Under Carpeting, Floor Tile	Brown Non-Fibrous Homogeneous		97% Other	3% Chrysotile
306-84 / 14030049-084 1st Floor/ 9" Floor Tile Under Carpeting, Mastic	Black Non-Fibrous Homogeneous		93% Other	7% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-85 / 14030049-085 1st Floor/ 9" Floor Tile Under Carpeting, Floor Tile	Brown Non-Fibrous Homogeneous		97% Other	3% Chrysotile
306-85 / 14030049-085 1st Floor/ 9" Floor Tile Under Carpeting, Mastic	Black Non-Fibrous Homogeneous		93% Other	7% Chrysotile

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Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/29/2014 10:10:00 AM  
**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-86 / 14030049-086 1st Floor/ Leveling Compound Under Wood Flooring	Beige Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-87 / 14030049-087 1st Floor/ Leveling Compound Under Wood Flooring	Beige Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-88 / 14030049-088 1st Floor/ Leveling Compound Under Wood Flooring	Beige Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-89 / 14030049-089 1st Floor/ Mastic On Wood Tiles In Entry Way	Black Fibrous Homogeneous	80% Cellulose	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-90 / 14030049-090 1st Floor/ Mastic On Wood Tiles In Entry Way	Black Fibrous Homogeneous	80% Cellulose	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-91 / 14030049-091 2nd Floor, Apartment, Living Room, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-91 / 14030049-091 2nd Floor, Apartment, Living Room, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-91 / 14030049-091 2nd Floor, Apartment, Living Room, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 18 of 24



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

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FINAL REPORT

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**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-92 / 14030049-092 2nd Floor, Apartment, Living Room, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-92 / 14030049-092 2nd Floor, Apartment, Living Room, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-92 / 14030049-092 2nd Floor, Apartment, Living Room, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-93 / 14030049-093 2nd Floor, Apartment, Living Room, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-93 / 14030049-093 2nd Floor, Apartment, Living Room, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-93 / 14030049-093 2nd Floor, Apartment, Living Room, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-94 / 14030049-094 2nd Floor, Apartment, Living Room-Kitchen, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-94 / 14030049-094 2nd Floor, Apartment, Living Room-Kitchen, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-94 / 14030049-094 2nd Floor, Apartment, Living Room-Kitchen, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-95 / 14030049-095 2nd Floor, Apartment, Entry Hallway, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-95 / 14030049-095 2nd Floor, Apartment, Entry Hallway, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-95 / 14030049-095 2nd Floor, Apartment, Entry Hallway, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 19 of 24



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/29/2014 10:10:00 AM  
**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-96 / 14030049-096 2nd Floor, Apartment, North Bedroom, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-96 / 14030049-096 2nd Floor, Apartment, North Bedroom, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-96 / 14030049-096 2nd Floor, Apartment, North Bedroom, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-97 / 14030049-097 2nd Floor, Apartment, North Bedroom, North Wall, Plaster	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
306-97 / 14030049-097 2nd Floor, Apartment, North Bedroom, North Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
306-97 / 14030049-097 2nd Floor, Apartment, North Bedroom, North Wall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-98 / 14030049-098 2nd Floor, Apartment, Living Room, East Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-98 / 14030049-098 2nd Floor, Apartment, Living Room, East Wall, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-99 / 14030049-099 2nd Floor, Apartment, Living Room, East Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-99 / 14030049-099 2nd Floor, Apartment, Living Room, East Wall, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 20 of 24



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030049**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, And 936 Broadway Ave.

**Collected Date:** 10/27/2014  
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**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-100 / 14030049-100 2nd Floor, Apartment, Living Room, East Wall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-100 / 14030049-100 2nd Floor, Apartment, Living Room, East Wall, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-101 / 14030049-101 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-101 / 14030049-101 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-102 / 14030049-102 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-102 / 14030049-102 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-103 / 14030049-103 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Drywall	White Non-Fibrous Heterogeneous	5% Cellulose 3% Glass	92% Other	None Detected
306-103 / 14030049-103 2nd Floor, Apartment, Living Room, North Wall/ Drywall, Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-104 / 14030049-104 2nd Floor, Apartment, Living Room, West Section/ Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

### Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 21 of 24



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SanAir ID Number

**14030049**

FINAL REPORT

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**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
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**Project Name:** 928, 932, And 936 Broadway Ave.

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-105 / 14030049-105 2nd Floor, Apartment, Living Room, West Section/ Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-106 / 14030049-106 2nd Floor, Apartment, Living Room, Center Section/ Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-107 / 14030049-107 2nd Floor, Apartment, Living Room, Center Section/ Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-108 / 14030049-108 2nd Floor, Apartment, Living Room, East Section/ Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-109 / 14030049-109 2nd Floor, Apartment, Hallway, East Section/Textured Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-110 / 14030049-110 2nd Floor, Apartment, Hallway, West Section/Textured Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-111 / 14030049-111 2nd Floor, Apartment, Hallway, Master Bedroom/ Textured	White Non-Fibrous Homogeneous		100% Other	None Detected

## Certification

Signature: *Chris Childress*

Date: 10/30/2014

Reviewed: *[Signature]*

Date: 10/30/2014

Page 22 of 24





# SanAir Technologies Laboratory, Inc.

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**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-112 / 14030049-112 2nd Floor, Apartment, Hallway, Master Bedroom/ Textured	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-113 / 14030049-113 2nd Floor, Apartment, Hallway, Master Bathroom/ Textured	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-114 / 14030049-114 Throughout, Ceiling/ Drywall With Textured Paint, Drywal	White Non-Fibrous Heterogeneous	7% Cellulose	93% Other	None Detected
306-114 / 14030049-114 Throughout, Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-115 / 14030049-115 Throughout, Ceiling/ Drywall With Textured Paint, Drywall	White Non-Fibrous Heterogeneous	7% Cellulose	93% Other	None Detected
306-115 / 14030049-115 Throughout, Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-116 / 14030049-116 Throughout, Ceiling/ Drywall With Textured Paint, Drywall	White Non-Fibrous Heterogeneous	7% Cellulose	93% Other	None Detected
306-116 / 14030049-116 Throughout, Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile

## Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014





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**Report Date:** 10/30/2014 4:00:47 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-117 / 14030049-117 Doors & Windows/ Caulk Material	Grey Non-Fibrous Homogeneous		93% Other	7% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-118 / 14030049-118 Doors & Windows/ Caulk Material	Grey Non-Fibrous Homogeneous		93% Other	7% Chrysotile

### Certification

Signature: *Chris Childress*  
Date: 10/30/2014

Reviewed: *[Signature]*  
Date: 10/30/2014

### **Disclaimer**

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For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**HazCorp Environmental  
Services, Inc.**

Report Date: 11/3/2014  
Project Name: 928, 932, & 936  
Broadway Ave.  
Project #: 2014-306  
SanAir ID#: 14030281



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



**804.897.1177**

**[www.sanair.com](http://www.sanair.com)**



# SanAir Technologies Laboratory, Inc.

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**HazCorp Environmental Services, Inc.**  
**805 Capital Commons**  
**Toledo, OH 43615**

November 3, 2014

SanAir ID # 14030281  
Project Name: 928, 932, & 936 Broadway Ave.  
Project Number: 2014-306

Dear John Campbell,

We at SanAir would like to thank you for the work you recently submitted. The 8 sample(s) were received on Friday, October 31, 2014 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 306-9, 306-10, 306-11, 306-12, 306-84, 306-84, 306-85, 306-85.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

8 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030281**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, & 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/31/2014 8:00:00 AM  
**Report Date:** 11/3/2014 2:10:06 PM  
**Analyst:** Childress, Susan

## Asbestos Bulk EPA PLM NOB

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-001 / 306-9 Basement, North Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		97.1 %	Chrysotile	2.9 %

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-002 / 306-10 Basement, North Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous			Not Analyzed	

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-003 / 306-11 Basement, South Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous		94.4 %	Chrysotile	5.6 %

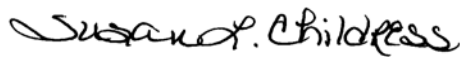
Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-004 / 306-12 Basement, South Half/ 9" Floor Tile, Floor Tile	Beige Non-Fibrous Homogeneous			Not Analyzed	


Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-005 / 306-84 1st Floor/ 9" Floor Tile Under Carpeting, Floor Tile	Brown Non-Fibrous Homogeneous		92.2 %	Chrysotile	7.8 %

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-006 / 306-84 1st Floor/ 9" Floor Tile Under Carpeting, Mastic	Black Non-Fibrous Homogeneous		98.3 %	Chrysotile	1.7 %

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-007 / 306-85 1st Floor/ 9" Floor Tile Under Carpeting, Floor Tile	Brown Non-Fibrous Homogeneous			Not Analyzed	

## Certification

Signature:   
Date: 11/3/2014

Reviewed:   
Date: 11/3/2014



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**14030281**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

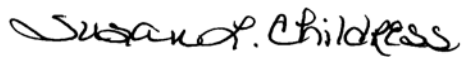
**Project Number:** 2014-306  
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**Collected Date:** 10/27/2014  
**Received Date:** 10/31/2014 8:00:00 AM  
**Report Date:** 11/3/2014 2:10:06 PM  
**Analyst:** Childress, Susan

## Asbestos Bulk EPA PLM NOB

Sanair ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
14030281-008 / 306-85 1st Floor/ 9" Floor Tile Under Carpeting, Mastic	Black Non-Fibrous Homogeneous			Not Analyzed	

### Certification

Signature:   
Date: 11/3/2014

Reviewed:   
Date: 11/3/2014

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# HazCorp Environmental Services, Inc.



October 30, 2014

SanAir Technologies Laboratory, Inc.  
1551 Oakbridge Drive, Suite B.  
Powhatan, VA 23139

Sir or Madam,

Please perform point counting utilizing positive stop (over 1% asbestos) per Homogenous Area (HA) on the samples below:

HazCorp Project #2014-306 • SanAir ID: 14030049 • Project Name: 928, 932, & 936 Broadway Ave.

SanAir ID #	HazCorp #	Description	HA	Item Requested
14030049-009	306-9	Basement, North Half/9" Floor Tile, Floor Tile	3	3% Chrysotile
14030049-010	306-10	Basement, North Half/9" Floor Tile, Floor Tile	3	3% Chrysotile
14030049-011	306-11	Basement, South Half/9" Floor Tile, Floor Tile	4	3% Chrysotile
14030049-012	306-12	Basement, South Half/9" Floor Tile, Floor Tile	4	3% Chrysotile
14030049-013	306-13	Basement, Boiler/Caulk Material	5	3% Chrysotile
14030049-014	306-14	Basement, Boiler/Caulk Material	5	3% Chrysotile
14030049-022	306-22	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-023	306-23	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-024	306-24	1 <sup>st</sup> Floor, Rear Addition, East Side, East Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-043	306-43	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC, Joint Compound	16	3% Chrysotile
14030049-044	306-44	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC, Joint Compound	16	3% Chrysotile
14030049-058	306-58	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	23	5% Chrysotile
14030049-059	306-59	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	23	5% Chrysotile

10/31/14 8 AM

140300281

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000  
Fax (419) 537-8774



14030281

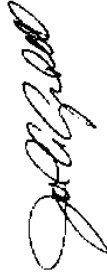
**HazCorp Environmental Services, Inc.**

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000  
Fax (419) 537-8774

14030049-084	306-84	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	31	3% Chrysotile
14030049-084	306-84	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	31	7% Chrysotile
14030049-085	306-85	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Floor Tile	31	3% Chrysotile
14030049-085	306-85	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting, Mastic	31	7% Chrysotile
14030049-114	306-114	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-115	306-115	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-116	306-116	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-117	306-117	Doors & Windows/Caulk Material	40	7% Chrysotile
14030049-118	306-118	Doors & Windows/Caulk Material	40	7% Chrysotile

Please perform the analysis under 24-hour turnaround. Please perform NOB where applicable.

Respectfully,



John Campbell  
HazCorp Environmental Services, Inc.

CP 10/31/14 8 AM

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**HazCorp Environmental  
Services, Inc.**

Report Date: 11/3/2014  
Project Name: 928, 932, & 936  
Broadway Ave.  
Project #: 2014-306  
SanAir ID#: 14030283



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



**804.897.1177**

**[www.sanair.com](http://www.sanair.com)**



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

**HazCorp Environmental Services, Inc.**  
**805 Capital Commons**  
**Toledo, OH 43615**

November 3, 2014

SanAir ID # 14030283  
Project Name: 928, 932, & 936 Broadway Ave.  
Project Number: 2014-306

Dear John Campbell,

We at SanAir would like to thank you for the work you recently submitted. The 14 sample(s) were received on Friday, October 31, 2014 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 306-13, 306-14, 306-22, 306-23, 306-24, 306-43, 306-44, 306-58, 306-59, 306-114, 306-115, 306-116, 306-117, 306-118.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

14 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14030283**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, & 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/31/2014 8:00:00 AM  
**Report Date:** 11/3/2014 2:01:48 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-13 / 14030283-001 Basement, Boiler/ Caulk Material	Grey Non-Fibrous Homogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-14 / 14030283-002 Basement, Boiler/ Caulk Material	Grey Non-Fibrous Homogeneous		98.5% Other	1.5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-22 / 14030283-003 1st Floor, Rear Addition, North Central Wall/ DW-JC, JC	Beige Non-Fibrous Homogeneous		96% Other	4% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-23 / 14030283-004 1st Floor, Rear Addition, North Central Wall/ DW-JC, JC				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-24 / 14030283-005 1st Floor, Rear Addition, East Side, East Wall/ DW-JC, JC				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-43 / 14030283-006 1st Floor, South End Offices Hallway, South Wall/ DW-JC, JC	Beige Non-Fibrous Homogeneous		99.5% Other	0.5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-44 / 14030283-007 1st Floor, South End, SW Corner/ DW-JC, JC	Beige Non-Fibrous Homogeneous		98.25% Other	1.75% Chrysotile

## Certification

Signature: *Chris Childress*  
Date: 11/3/2014

Reviewed: *[Signature]*  
Date: 11/3/2014



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14030283**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, & 936 Broadway Ave.

**Collected Date:** 10/27/2014  
**Received Date:** 10/31/2014 8:00:00 AM  
**Report Date:** 11/3/2014 2:01:48 PM  
**Analyst:** Childress, Christopher

## Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-58 / 14030283-008 1st Floor, Glass Block Windows/ Window Glaze	Beige Non-Fibrous Homogeneous		97.5% Other	2.5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-59 / 14030283-009 1st Floor, Glass Block Windows/ Window Glaze				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-114 / 14030283-010 Throughout Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-115 / 14030283-011 Throughout Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-116 / 14030283-012 Throughout Ceiling/ Drywall With Textured Paint, Texture	White Non-Fibrous Homogeneous		99% Other	1% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-117 / 14030283-013 Doors & Windows/ Caulk Material	Grey Non-Fibrous Homogeneous		97.25% Other	2.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-118 / 14030283-014 Doors & Windows/ Caulk Material				Not Analyzed

## Certification

Signature: *Chris Childress*  
Date: 11/3/2014

Reviewed: *[Signature]*  
Date: 11/3/2014

### **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP, AIHA or any other agency of the U.S. government; *and may not be certified by every local, state and federal regulatory agencies.*

14030283

**HazCorp Environmental Services, Inc.**

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000  
Fax (419) 537-8774



October 30, 2014

SanAir Technologies Laboratory, Inc.  
1551 Oakbridge Drive, Suite B.  
Powhatan, VA 23139

Sir or Madam,

Please perform point counting utilizing positive stop (over 1% asbestos) per Homogenous Area (HA) on the samples below:

HazCorp Project #2014-306 • SanAir ID: 14030049 • Project Name: 928, 932, & 936 Broadway Ave.

SanAir ID #	HazCorp #	Description	HA	Item Requested
14030049-009	306-9	Basement, North Half/9" Floor Tile, Floor Tile	3	3% Chrysotile
14030049-010	306-10	Basement, North Half/9" Floor Tile, Floor Tile	3	3% Chrysotile
14030049-011	306-11	Basement, South Half/9" Floor Tile, Floor Tile	4	3% Chrysotile
14030049-012	306-12	Basement, South Half/9" Floor Tile, Floor Tile	4	3% Chrysotile
14030049-013	306-13	Basement, Boiler/Caulk Material	5	3% Chrysotile
14030049-014	306-14	Basement, Boiler/Caulk Material	5	3% Chrysotile
14030049-022	306-22	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-023	306-23	1 <sup>st</sup> Floor, Rear Addition, North, Central Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-024	306-24	1 <sup>st</sup> Floor, Rear Addition, East Side, East Wall/DW-JC, Joint Compound	9	3% Chrysotile
14030049-043	306-43	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC, Joint Compound	16	3% Chrysotile
14030049-044	306-44	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC, Joint Compound	16	3% Chrysotile
14030049-058	306-58	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	23	5% Chrysotile
14030049-059	306-59	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	23	5% Chrysotile

OP 10/31/14 3 AM



14030283

**HazCorp Environmental Services, Inc.**

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000  
Fax (419) 537-8774

14030049-084	306-84	1" Floor/9" Floor Tile under Carpeting, Floor Tile	31	3% Chrysotile
14030049-084	306-84	1" Floor/9" Floor Tile under Carpeting, Mastic	31	7% Chrysotile
14030049-085	306-85	1" Floor/9" Floor Tile under Carpeting, Floor Tile	31	3% Chrysotile
14030049-085	306-85	1" Floor/9" Floor Tile under Carpeting, Mastic	31	7% Chrysotile
14030049-114	306-114	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-115	306-115	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-116	306-116	Throughout, Ceiling/Drywall with Textured Paint, Texture	39	3% Chrysotile
14030049-117	306-117	Doors & Windows/Caulk Material	40	7% Chrysotile
14030049-118	306-118	Doors & Windows/Caulk Material	40	7% Chrysotile

Please perform the analysis under 24-hour turnaround. Please perform NOB where applicable.

Respectfully,



John Campbell  
HazCorp Environmental Services, Inc.

CP 10/31/14 8 AM



805 Capital Commons Drive, Toledo, Ohio 43615

Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: hazcorp@sbcglobal.net

## Asbestos Analysis Request

Project Name 928, 932, & 936 Broadway Ave.		Client Name Hull & Associates	
Project Address 928, 932, & 936 Broadway Ave., Lorain, Ohio		Client Address 4 Hemisphere Way, Bedford, Ohio 44146	
Project No. 2014-306		Client Contact Ms. Lindsay Crow	
Sampler(s) Mr. John Campbell & Mr. Charles Long		Client Phone 330-205-7757	
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description
306-1	B	10/27/14	Basement, North Half, Ceiling/Drywall
306-2	B	10/27/14	Basement, North Half, Ceiling/Drywall
306-3	B	10/27/14	Basement, North Half, Ceiling/Drywall
306-4	B	10/27/14	Basement, South Half, East Side, Ceiling/Hard Plaster
306-5	B	10/27/14	Basement, South Half, East Side, Ceiling/Hard Plaster
306-6	B	10/27/14	Basement, South Half, Center, Ceiling/Hard Plaster
306-7	B	10/27/14	Basement, South Half, West Side/Hard Plaster
306-8	B	10/27/14	Basement, South Half, West Side/Hard Plaster
306-9	B	10/27/14	Basement, North Half/9" Floor Tile
306-10	B	10/27/14	Basement, North Half/9" Floor Tile
306-11	B	10/27/14	Basement, South Half/9" Floor Tile
306-12	B	10/27/14	Basement, South Half/9" Floor Tile
306-13	B	10/27/14	Basement, Boiler/Caulk Material
306-14	B	10/27/14	Basement, Boiler/Caulk Material
306-15	B	10/27/14	1 <sup>st</sup> Floor, Front Lobby, SW Corner/DW-JC
306-16	B	10/27/14	1 <sup>st</sup> Floor, Front Lobby, SE Corner/DW-JC
306-17	B	10/27/14	1 <sup>st</sup> Floor, Front Lobby, South Wall/DW-JC
306-18	B	10/27/14	1 <sup>st</sup> Floor, Throughout/CP - 2x4': Fissures and Dots
306-19	B	10/27/14	1 <sup>st</sup> Floor, Throughout/CP - 2x4': Fissures and Dots
306-20	B	10/27/14	1 <sup>st</sup> Floor, SW Office/Linoleum
306-21	B	10/27/14	1 <sup>st</sup> Floor, SW Office/Linoleum
306-22	B	10/27/14	2 <sup>nd</sup> Floor, Rear Addition, North, Central Wall/DW-JC

Asbestos PlM	Homogeneous Area	Comments
X	1	932 Broadway
X	1	
X	2	
X	2	
X	2	
X	2	
X	2	
X	2	
X	2	
X	3	
X	3	
X	4	
X	4	
X	5	
X	5	
X	6	928 Broadway
X	6	
X	6	
X	7	
X	7	
X	8	
X	8	
X	9	

Sampler's Signature:		Samples Relinquished By:		Samples Received By:	
Date	Time				
10-28-14	3:00				



805 Capital Commons Drive, Toledo, Ohio 43615

Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: hazcorp@sbcglobal.net

## Asbestos Analysis Request

Project Name 928, 932, & 936 Broadway Ave.		Client Name Hull & Associates		Page 2 of 6	
Project Address 928, 932, & 936 Broadway Ave., Lorain, Ohio		Client Address 4 Hemisphere Way, Bedford, Ohio 44146			
Project No. 2014-306		Client Contact Ms. Lindsay Crow			
Sampler(s) Mr. John Campbell & Mr. Charles Long		Client Phone 330-205-7757			
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description	Asbestos PLM	Homogeneous Area
306-23	B	10/27/14	2 <sup>nd</sup> Floor, Rear Addition, North, Central Wall/DW-JC	X	9 928 Broadway
306-24	B	10/27/14	2 <sup>nd</sup> Floor, Rear Addition, East Side, East Wall/DW-JC	X	9
306-25	B	10/27/14	1 <sup>st</sup> Floor, Rear Addition, Fire Door Between 928 & 932/Door Insulation	X	10
306-26	B	10/27/14	1 <sup>st</sup> Floor, Rear Addition, Fire Door Between 928 & 932/Door Insulation	X	10
306-27	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #1	X	11
306-28	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Stairwell, South Wall/Hard Plaster #2	X	11
306-29	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #3	X	11
306-30	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Kitchen, Ceiling/Hard Plaster #4	X	11
306-31	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, East Bedroom, East Wall/Hard Plaster #5	X	11
306-32	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Kitchen, North Wall, East Column on Windows/Hard Plaster #6	X	11
306-33	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, East Bedroom, West Wall/Hard Plaster #7	X	11
306-34	B	10/27/14	2 <sup>nd</sup> Floor, Hallway from Store to Apartment/Linoleum	X	12
306-35	B	10/27/14	2 <sup>nd</sup> Floor, Hallway from Store to Apartment/Linoleum	X	12
306-36	B	10/27/14	2 <sup>nd</sup> Floor, Kitchen/Linoleum	X	13
306-37	B	10/27/14	2 <sup>nd</sup> Floor, Kitchen/Linoleum	X	13
306-38	B	10/27/14	2 <sup>nd</sup> Floor, Bathroom/Linoleum	X	14
306-39	B	10/27/14	2 <sup>nd</sup> Floor, Bathroom/Linoleum	X	14
306-40	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Kitchen/Sink Coating	X	15
306-41	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Kitchen/Sink Coating	X	15
306-42	B	10/27/14	1 <sup>st</sup> Floor, North, Front Office, South Wall/DW-JC	X	16 932 Broadway
306-43	B	10/27/14	1 <sup>st</sup> Floor, South End Offices Hallway, South Wall/DW-JC	X	16
306-44	B	10/27/14	1 <sup>st</sup> Floor, South End Offices, SW Corner/DW-JC	X	16

Sampler's Signature: <i>[Signature]</i>		
Date	Time	Samples Relinquished By: <i>[Signature]</i>
10-28-14	3:00	



805 Capital Commons Drive, Toledo, Ohio 43615

Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: hazcorp@sbcglobal.net

## Asbestos Analysis Request

Project Name 928, 932, & 936 Broadway Ave.		Client Name Hull & Associates		Page 3 of 6		
Project Address 928, 932, & 936 Broadway Ave., Lorain, Ohio		Client Address 4 Hemisphere Way, Bedford, Ohio 44146				
Project No. 2014-306		Client Contact Ms. Lindsay Crow				
Sampler(s) Mr. John Campbell & Mr. Charles Long		Client Phone 330-205-7757				
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description	Asbestos PLM	Homogeneous Area	Comments
306-45	B	10/27/14	1 <sup>st</sup> Floor, Front Entry/Carpet Mastie	X	17	932 Broadway
306-46	B	10/27/14	1 <sup>st</sup> Floor, Front Entry/Carpet Mastie	X	17	
306-47	B	10/27/14	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastie	X	18	
306-48	B	10/27/14	1 <sup>st</sup> Floor, Rear Hallway/Tan Flooring with Burlap & Mastie	X	18	
306-49	B	10/27/14	1 <sup>st</sup> Floor, Throughout/Carpet & Mastie	X	19	
306-50	B	10/27/14	1 <sup>st</sup> Floor, Throughout/Carpet & Mastie	X	19	
306-51	B	10/27/14	1 <sup>st</sup> Floor, Throughout/Carpet & Mastie	X	19	
306-52	B	10/27/14	1 <sup>st</sup> Floor, Part in Rear Portion/Mastie under Parquet Flooring	X	20	
306-53	B	10/27/14	1 <sup>st</sup> Floor, Part in Rear Portion/Mastie under Parquet Flooring	X	20	
306-54	B	10/27/14	1 <sup>st</sup> Floor, South Front Office/Linoleum 1	X	21	
306-55	B	10/27/14	1 <sup>st</sup> Floor, South Front Office/Linoleum 1	X	21	
306-56	B	10/27/14	1 <sup>st</sup> Floor, Middle Office-Hallway/Linoleum 2: Wood-Like Look	X	22	
306-57	B	10/27/14	1 <sup>st</sup> Floor, Middle Office-Hallway/Linoleum 2: Wood-Like Look	X	22	
306-58	B	10/27/14	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	X	23	
306-59	B	10/27/14	1 <sup>st</sup> Floor, Glass Block Windows/Window Glaze	X	23	
306-60	B	10/27/14	1 <sup>st</sup> Floor, South Office Portion/CP - 2x2' (Not Installed-Disposal Sample)	X	24	
306-61	B	10/27/14	1 <sup>st</sup> Floor, South Office Portion/CP - 2x2' (Not Installed-Disposal Sample)	X	24	
306-62	B	10/27/14	2 <sup>nd</sup> Floor, East Half, North Wall/Hard Plaster #1	X	25	
306-63	B	10/27/14	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #2	X	25	
306-64	B	10/27/14	2 <sup>nd</sup> Floor, By Apartment Door, North Wall/Hard Plaster #2	X	25	
306-65	B	10/27/14	2 <sup>nd</sup> Floor, East Half, South Wall/Hard Plaster #4	X	25	
306-66	B	10/27/14	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #5	X	25	

Sampler's Signature: <i>[Signature]</i>		Samples Relinquished By: <i>[Signature]</i>	
Date	Time	Samples Received By:	
10-28-14	3:00		



805 Capital Commons Drive, Toledo, Ohio 43615

Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: hazcorp@sbcglobal.net

## Asbestos Analysis Request

Project Name 928, 932, & 936 Broadway Ave.		Client Name Hull & Associates	
Project Address 928, 932, & 936 Broadway Ave., Lorain, Ohio		Client Address 4 Hemisphere Way, Bedford, Ohio 44146	
Project No. 2014-306		Client Contact Ms. Lindsay Crow	
Sampler(s) Mr. John Campbell & Mr. Charles Long		Client Phone 330-205-7757	
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description
306-67	B	10/27/14	2 <sup>nd</sup> Floor, East Half, Ceiling/Hard Plaster #6
306-68	B	10/27/14	2 <sup>nd</sup> Floor, East Half, East Wall/Hard Plaster #7
306-69	B	10/27/14	2 <sup>nd</sup> Floor, North Half, North Wall/Hard Plaster #4
306-70	B	10/27/14	2 <sup>nd</sup> Floor, North Half, North Wall/Hard Plaster #4
306-71	B	10/27/14	2 <sup>nd</sup> Floor, Glass Block Windows/Window Glaze
306-72	B	10/27/14	2 <sup>nd</sup> Floor, Glass Block Windows/Window Glaze
306-73	B	10/27/14	2 <sup>nd</sup> Floor, Addition, South Wall/Hard Plaster #1
306-74	B	10/27/14	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #2
306-75	B	10/27/14	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #3
306-76	B	10/27/14	2 <sup>nd</sup> Floor, Addition, North Wall/Hard Plaster #4
306-77	B	10/27/14	2 <sup>nd</sup> Floor, Addition, Ceiling/Hard Plaster #5
306-78	B	10/27/14	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam
306-79	B	10/27/14	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam
306-80	B	10/27/14	2 <sup>nd</sup> Floor, Addition, West, Exterior Wall/Textured Paint on Styrofoam
306-81	B	10/27/14	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture
306-82	B	10/27/14	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture
306-83	B	10/27/14	1 <sup>st</sup> Floor, Vestibule/Hard Plaster with Texture
306-84	B	10/27/14	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting
306-85	B	10/27/14	1 <sup>st</sup> Floor/9" Floor Tile under Carpeting
306-86	B	10/27/14	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring
306-87	B	10/27/14	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring
306-88	B	10/27/14	1 <sup>st</sup> Floor/Leveling Compound under Wood Flooring

Asbestos PLM	Homogeneous Area	Comments
X 25	932 Broadway	
X 25		
X 26		
X 26		
X 27		
X 27		
X 28		
X 28		
X 28		
X 28		
X 29		
X 29		
X 29		
X 30	936 Broadway	
X 30		
X 30		
X 31		
X 31		
X 32		
X 32		
X 32		

Sampler's Signature:		Samples Relinquished By:		Samples Received By:	
Date	Time				
10-28-14	3:00				



805 Capital Commons Drive, Toledo, Ohio 43615  
Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: hazcorp@sbcglobal.net

## Asbestos Analysis Request

Project Name 928, 932, & 936 Broadway Ave.		Client Name Hull & Associates		Page 5 of 6		
Project Address 928, 932, & 936 Broadway Ave., Lorain, Ohio		Client Address 4 Hemisphere Way, Bedford, Ohio 44146				
Project No. 2014-306		Client Contact Ms. Lindsay Crow				
Sampler(s) Mr. John Campbell & Mr. Charles Long		Client Phone 330-205-7757				
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description	Asbestos PLM	Homogeneous Area	Comments
306-89	B	10/27/14	1 <sup>st</sup> Floor/Mastic on Wood Tiles in Entry Way	X	33	936 Broadway
306-90	B	10/27/14	1 <sup>st</sup> Floor/Mastic on Wood Tiles in Entry Way	X	33	
306-91	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #1	X	34	
306-92	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #2	X	34	
306-93	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Hard Plaster with Texture #3	X	34	
306-94	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room-Kitchen, North Wall/Hard Plaster with Texture #4	X	34	
306-95	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Entry Hallway, North Wall/Hard Plaster with Texture #5	X	34	
306-96	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #6	X	34	
306-97	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, North Bedroom, North Wall/Hard Plaster with Texture #7	X	34	
306-98	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC	X	35	
306-99	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC	X	35	
306-100	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, East Wall/DW-JC	X	35	
306-101	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish	X	36	
306-102	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish	X	36	
306-103	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, North Wall/Drywall with Knockdown Finish	X	36	
306-104	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, West Section/Popcorn Ceiling	X	37	
306-105	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, West Section/Popcorn Ceiling	X	37	
306-106	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, Center Section/Popcorn Ceiling	X	37	
306-107	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, Center Section/Popcorn Ceiling	X	37	
306-108	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Living Room, East Section/Popcorn Ceiling	X	37	
306-109	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Hallway, East Section/Textured Ceiling Material	X	38	
306-110	B	10/27/14	2 <sup>nd</sup> Floor, Apartment, Hallway, West Section/Textured Ceiling Material	X	38	
Sampler's Signature: <i>[Signature]</i>			Samples Relinquished By: <i>[Signature]</i>			
Date	Time	Samples Received By:				
10-28-14	3:00					



Phone: 419-537-6000 ♦ Fax: 419-537-8774 ♦ Email: [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net)

## Asbestos Analysis Request

[illegible]



# SanAir Technologies Laboratory

## Analysis Report

prepared for

**HazCorp Environmental  
Services, Inc.**

Report Date: 11/12/2014  
Project Name: 928, 932, & 936  
Broadway Ave., Lorain, Ohio  
Project #: 2014-306  
SanAir ID#: 14031441



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

[www.sanair.com](http://www.sanair.com)



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

**HazCorp Environmental Services, Inc.**  
**805 Capital Commons**  
**Toledo, OH 43615**

November 12, 2014

SanAir ID # 14031441  
Project Name: 928, 932, & 936 Broadway Ave., Lorain, Ohio  
Project Number: 2014-306

Dear Charles Long,

We at SanAir would like to thank you for the work you recently submitted. The 6 sample(s) were received on Wednesday, November 12, 2014 via FedEx. The final report(s) is enclosed for the following sample(s): 306-119, 306-120, 306-121, 306-122, 306-123, 306-124.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

6 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14031441**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:** 928, 932, & 936 Broadway Ave.  
**Project Name:** 928, 932, & 936 Broadway Ave., Lorain, Ohio

**Collected Date:** 11/11/2014  
**Received Date:** 11/12/2014 9:40:00 AM  
**Report Date:** 11/12/2014 4:41:36 PM  
**Analyst:** Vaughan, Nathaniel

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-119 / 14031441-001 Front Unit, Showrm Area, Partition Wall, West, Drywall	White Non-Fibrous Heterogeneous	12% Cellulose	88% Other	None Detected
306-119 / 14031441-001 Front Unit, Showrm Area, Partition Wall, West, Joint Compound	White Non-Fibrous Heterogeneous		100% Other	None Detected


SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-120 / 14031441-002 Front Unit, Showrm Area, Partition Wall, West, Drywall	White Non-Fibrous Heterogeneous	12% Cellulose	88% Other	None Detected
306-120 / 14031441-002 Front Unit, Showrm Area, Partition Wall, West, Joint Compound	White Non-Fibrous Heterogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-121 / 14031441-003 2nd Floor, Showrm Area, E. Half, Partition, West, Drywall	White Non-Fibrous Heterogeneous	10% Cellulose	90% Other	None Detected
306-121 / 14031441-003 2nd Floor, Showrm Area, E. Half, Partition, West, Joint Compound	White Non-Fibrous Heterogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-122 / 14031441-004 2nd Floor, Showrm Area, S. Half, Partition, N., Drywall	White Non-Fibrous Heterogeneous	12% Cellulose	88% Other	None Detected
306-122 / 14031441-004 2nd Floor, Showrm Area, S. Half, Partition, N., Joint Compound	White Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-123 / 14031441-005 Exterior/ Caulk By Rear Opening Doors	Grey Non-Fibrous Heterogeneous		96% Other	4% Chrysotile

## Certification

Signature:   
Date: 11/12/2014

Reviewed:   
Date: 11/12/2014



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14031441**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615


**Project Number:** 2014-306  
**P.O. Number:** 928, 932, & 936 Broadway Ave.  
**Project Name:** 928, 932, & 936 Broadway Ave., Lorain, Ohio

**Collected Date:** 11/11/2014  
**Received Date:** 11/12/2014 9:40:00 AM  
**Report Date:** 11/12/2014 4:41:36 PM  
**Analyst:** Vaughan, Nathaniel

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-124 / 14031441-006 Exterior/ Caulk By Rear Opening Doors	Grey Non-Fibrous Heterogeneous		96% Other	4% Chrysotile

### Certification

Signature:   
Date: 11/12/2014

Reviewed:   
Date: 11/12/2014

### **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

805 Capital Commons Drive, Toledo, Ohio 43615  
Phone: 419-537-6000 ❖ Fax: 419-537-8774 ❖ Email: [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net)

## Asbestos Analysis Request

[illegible]

NOV 12 2014

9:40 Am

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**HazCorp Environmental  
Services, Inc.**

Report Date: 11/14/2014  
Project Name: 928, 932, & 936  
Broadway Ave.  
Project #: 2014-306  
SanAir ID#: 14031504



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



**804.897.1177**

**[www.sanair.com](http://www.sanair.com)**





# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

**HazCorp Environmental Services, Inc.**  
**805 Capital Commons**  
**Toledo, OH 43615**

November 14, 2014

SanAir ID # 14031504  
Project Name: 928, 932, & 936 Broadway Ave.  
Project Number: 2014-306

Dear Molly Jordan,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Thursday, November 13, 2014 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 306-122, 306-123, 306-124.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

3 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

SanAir ID Number

**14031504**

FINAL REPORT

**Name:** HazCorp Environmental Services, Inc.  
**Address:** 805 Capital Commons  
Toledo, OH 43615

**Project Number:** 2014-306  
**P.O. Number:**  
**Project Name:** 928, 932, & 936 Broadway Ave.

**Collected Date:** 11/11/2014  
**Received Date:** 11/13/2014 8:45:00 AM  
**Report Date:** 11/14/2014 10:07:21 AM  
**Analyst:** Vaughan, Nathaniel


## Asbestos Bulk EPA PLM 400 Point Count


SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-122 / 14031504-001 2nd Floor, Showroom, South Half, Partition, North Wall	White Non-Fibrous Heterogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-123 / 14031504-002 Exterior/ Caulk By Rear Opening Doors	Grey Non-Fibrous Heterogeneous		98.75% Other	1.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
306-124 / 14031504-003 Exterior/ Caulk By Rear Opening Doors				Not Analyzed

## Certification

Signature:   
Date: 11/14/2014

Reviewed:   
Date: 11/14/2014

### **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP, AIHA or any other agency of the U.S. government; *and may not be certified by every local, state and federal regulatory agencies.*

14031504

**Maria E. Coker**

---

**From:** Molly Jordan [molly-hazcorp@sbcglobal.net]  
**Sent:** Thursday, November 13, 2014 8:42 AM  
**To:** IAQ Forward  
**Subject:** PC Request

**Attachments:** 2014-306 PC Request 2.pdf



2014-306 PC  
Request 2.pdf (18..

Hello,  
Please see attached for a point count request.

Thanks,

--  
Molly Jordan  
HazCorp Environmental Services, Inc.  
805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone: 419-537-6000  
Fax: 419-537-8774

MC

NOV 13 2014

8:45am

HazCorp Environmental Services, Inc.



November 13, 2014

SanAir Technologies Laboratory, Inc.  
1551 Oakbridge Drive, Suite B.  
Powhatan, VA 23139

Dear Sir or Madam,

Please perform point counting utilizing positive stop (over 1% asbestos) on the samples below:

HazCorp Project #2014-306 ▪ SanAir ID: 14031441 ▪ Project Name: 928, 932, & 936 Broadway Ave.

SanAir ID #	HazCorp #	Description	Item Requested
14031441-004	306-122	2 <sup>nd</sup> Floor, Showroom, South Half, Partition, North Wall (Burgundy Wall with adjoining Floral Wallpapered Wall)/DW-JC	<1% Chrysotile
14031441-005	306-123	Exterior/Caulk by Rear Opening Doors	4% Chrysotile
14031441-006	306-124	Exterior/Caulk by Rear Opening Doors	4% Chrysotile

Please perform the analysis under 24-hour turnaround. Please perform NOB where applicable.

Respectfully,

A handwritten signature in cursive script, appearing to read "John Campbell".

John Campbell  
HazCorp Environmental Services, Inc.

NOV 13 2014

AC

8:45AM

14031504

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000  
Fax (419) 537-8774

[illegible]